"Public Health is Purchasable within Natural Limitations. Any community can determine its own death-rate."

No. 29]

[1934.



# ANNUAL REPORT

OF THE

MYSORE STATE DEPARTMENT OF HEALTH

FOR 1934

WITH THE GOVERNMENT REVIEW THEREON

VOL. I

P. PARTHASARATHI, L.M.S., B.S.Sc., L.R.C.P., L.R.C.S., D.P.H., D.T.M.,

Director of Health.



BANGALORE:

PRINTED BY THE SUPERINTENDENT AT THE GOVT. PRESS
1935

"Search for the Truth is the noblest occupation of Mankind; its publication a Duty."

"Grace Ville," Palace Road,
Bangalore (S. India), dated September
12-13th, 1935.

FROM

P. PARTHASARATHY, Esq., L.M.S.,

B.S.SC., L.R.C.P., L.R.C.S., D.P.H., D.T.M.,

Director of Health with the Government of His Highness the Maharaja of Mysore, Bangalore.

To

H. V. RAMASVAMI, Esq., M.A., B.L.,

General Secretary to the Government of His Highness the Maharaja of Mysore, Bangalore.

SIR,

I have the honour to submit herewith the Annual Report of the Mysore State Department of Health for the Calendar Year 1934 for favour of perusal of Government.

Four hundred copies of Volumes I & II (200 to Government and 200 to Department) may be printed.

The stock account of articles including furniture in the several Bureaux has been taken.

I have the honour to be,
Sir,
Your most obedient servant,
P. PARTHASARATHY.



# GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE.

GENERAL AND REVENUE DEPARTMENTS.

G. O. No. G. 4300-20-P. H. 29-35-7, dated 29th November 1935.

Administration Report of the Mysore Health Department for the year 1934.

Reviews the ---.

READ-

The Administration Report of the Health Department for the calendar year 1934, received from the Director of Health in Mysore, with his letter No. Vs. 91, dated the 13th September 1935.

ORDER No. G. 4300-20—P. H. 29-35-7, DATED BANGALORE, THE 29TH NOVEMBER 1935.

Recorded.

- 2. Dr. J. V. Karve, M.B., Ch.B., D.P.H., continued as Director of Health throughout the year. Dr. W. C. Sweet, B.Sc., M.D., Dr. P.H., Consultant in Health of the Rockefeller Foundation, who had proceeded on leave on the 21st February 1934, returned to Bangalore on the 5th November 1934.
- 3. Bureau of Epidemiology and Communicable Diseases.—(a) Malaria Stations.—Experimental control of malaria by the use of Paris Green was continued in the three Malaria stations at Nagenahalli, Mudigere and Hiriyur. Paris Green manufactured locally was tested with satisfactory results. Special malaria surveys were made of some of the villages under the Nidsala Tank and Boranakanve Jeservoir in the Tumkur District.

(b) Hookworm Control.—Hookworm treatment continued to be given in the dispensaries in the districts of Shimoga, Kadur, Hassan and Mysore, the total number of patients treated during the year being 15,911 against

16,894 during the previous year.

(c) Guinea-worm Control.—The investigation of the biological control of guinea-worm disease by means of fish was continued in the Chitaldrug District. In all 500 patients suffering from the disease were treated.

The number of deaths from plague and small-pox during 1934, was 5,890 and 4,521 respectively, while fevers

accounted for 56,502 deaths, the corresponding figures for the year 1933, being 6,984, 2,801 and 51,370, respectively. The total number of anti-plague inoculations and vaccinations done during the year was 181,584 and 317,073, respectively.

- 4. Rural Health Unit, Mandya.—Free distribution of quinine by the Special Malaria Staff which was started in 1932 continued till the close of the year. A total of 5,501 vaccinations and 6,333 Anti-plague inoculations were done in the Unit area during the year. The two midwives attached to the Unit visited 2,935 Maternity cases in addition to conducting 85 labour cases.
- 5. Bureau of Health Education.—The assistance received from the Rockefeller Foundation towards the Propaganda work of the Bureau having ceased at the close of the year 1933, the whole expenditure of the Bureau has since been borne by Government. Forty-seven articles on health subjects were published in newspapers, while posters and leaflets on plague, small-pox, soil pollution, bore-hole latrines, malaria, filth diseases, hookworm, water and fly were printed in large numbers and freely distributed. One hundred and twenty Cinema Shows were displayed, the total number of persons that attended these shows being about 75,000.
- 6. Bureau of Laboratories.—(a) Public Health Institute.—The total number of specimens examined in the Institute during the year was 9,065 in the Bacteriological Section, 676 in the Chemical Section and 657 in the Medico-legal Section against 9,107, 705 and 707 respectively, during the previous year. Orders were issued prescribing the procedure for sending articles for Medico-legal Examination.
- (b) Vaccine Institute.—During the year, both lanoline and glycerine lymphs were prepared and issued, the total quantity issued being enough for 339,104 and 50,315 cases respectively. Investigation is stated to have been undertaken about the occurrence of cases of small-pox among persons who had been protected by means of vaccination not long before. The result of this investigation should be reported to Government early. The total income and expenditure of the Institute was Rs. 24,692 and Rs. 21,589 against Rs. 24,975 and Rs. 19,769 respectively in the previous year.
- 7. Bureau of Vital Statistics.—The total number of births during the year was 117,302 against 117,920

during the previous year. The computed birth-rate was 17.74 per mille of population against 17.99 in 1933. The highest birth-rate was returned by the Bangalore District (21.27) and the lowest by the Chitaldrug District (13.26).

The total number of deaths reported during the year was 113,591 against 106,009 during the preceding year, showing an increase of 7,582, which is stated to be due to increase in deaths under fevers. The computed death-rate was 17:18 per mille of population against 16:17 in 1933. Deaths exceeded births in the districts of Chitaldrug, Mysore, Shimoga and Tumkur, the excess in the Chitaldrug District being about 6,000 This heavy excess should have been explained. The total number of deaths among children of less than one year of age was 14,226 against 11,733 in the previous year.

- 8. Bureau of Sanitary Engineering.—The activities of the Bureau continued as in the previous year. Thirteen water supply schemes and four drainage works were completed.
- 9. The work of the Department under the guidance of Dr. Karve was satisfactory.
- 10. The state of public health was generally good. There was a decline in the incidence of plague and the state was almost entirely free from Cholera. Small-pox showed a tendency to rise but this was anticipated and the steps taken to check the spread of the disease were adequate.
- 11. The Indian Red Cross Society (Mysore State Branch) and other voluntary organisations continued to do useful work.

# M. VENKATESA IYENGAR,

Secretary to Government, General Department.

To—The Director of Health in Mysore.

The Chief Engineer of Mysore.

The Deputy Commissioners of Districts.

The Presidents of District Boards, through the Deputy Commissioners.

The Municipal Commissioner, Bangalore, through the President, City Municipal Council, Bangalore.

The President, City Municipal Council, Mysore.

The President, Sanitary Board, Kolar Gold Fields.

PRESS TABLE.

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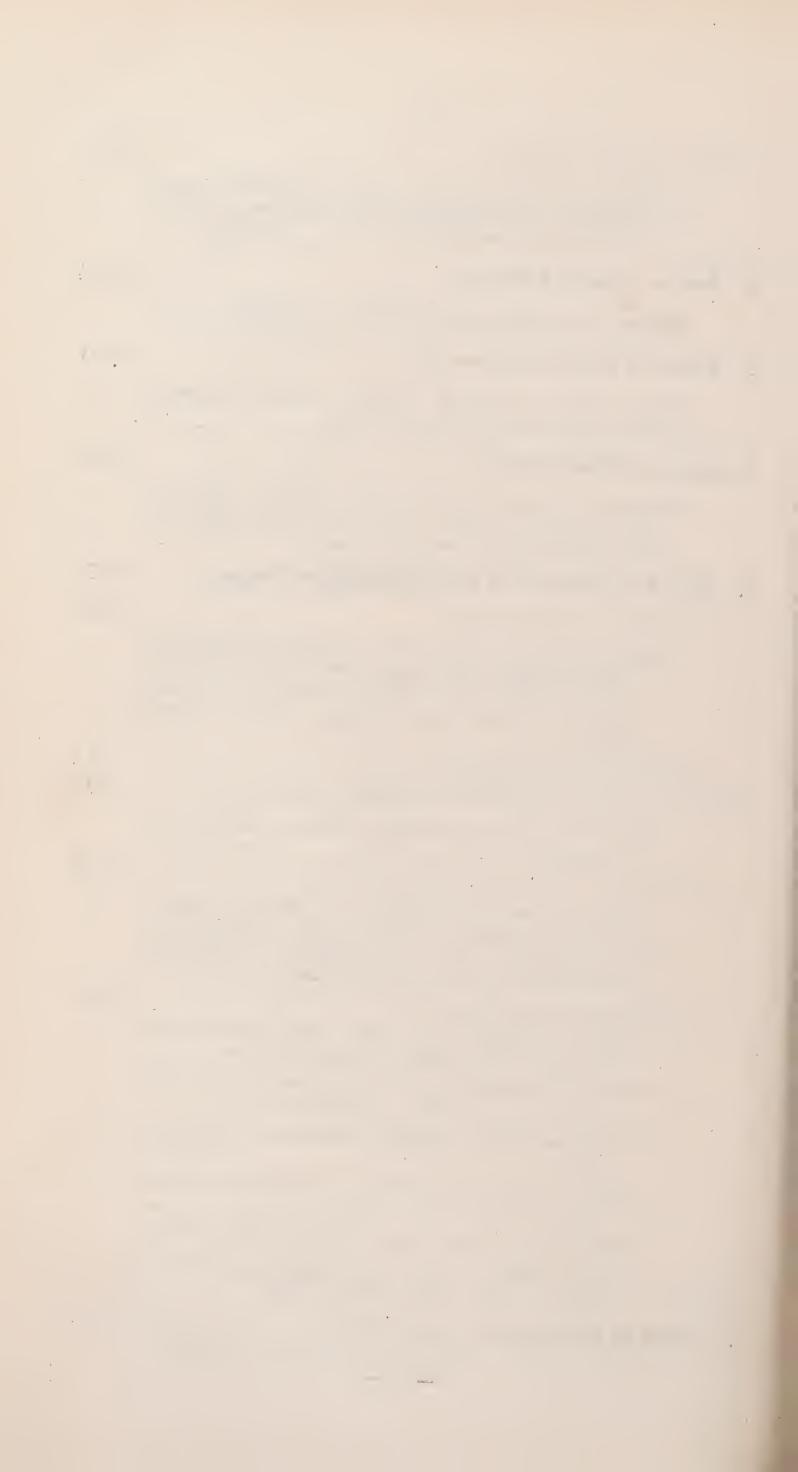
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Milk Centre, Military Area, Hebbal, Bangalore C.		
The Bangalore Woollen, Cotton and Silk Mills' We Centre, Bangalore City	elfare 	
Ante-Natal Clinics, Vani Vilas Hospital, Mysore	City.	
Civic and Social Progress Association, Mysore Ci		
Gunamba Maternity and Child Welfare Trust, My City	ysore	
Maternity and Child Welfare Centres, Kolar Field	Gold	•
Gurukula Seva Sangha, Kengeri	• • •,	
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# ANNUAL REPORT

OF THE

# MYSORE STATE DEPARTMENT OF HEALTH

### Volume I

### GENERAL.

Dr. J. V. Karve, M.B., Ch.B., D.P.H., was in charge

of the Department throughout the year.

The state of public health was on the whole satisfactory in the year under report. A decline in the incidence of plague was reported and the State was almost entirely free from cholera. As had been previously forecasted small-pox showed a tendency to rise and adequate measures were undertaken to check the spread of the disease. Rainfall was scanty during the year, being 29.21 inches, *i.e.*, 6.91 inches below normal and it was below the average in all the districts.

The Director of Health did inspections of health work in his tours for 107 days during the year. He attended the Meetings of the Mysore City Improvement Trust Board, Tippagondanahalli Reservoir Committee, the Central Health Committee, the Representative Assembly and the

Legislative Council.

Health experts from the United States, Canada and England—General F.F. Russell, Director of the International Health Division and Dr. Victor G. Heiser, Associate Director of the Rockefeller Foundation, Dr. W. W. Jameson, Dean of the School of Tropical Medicine and Hygiene, London, and Dr. J. G. Fitzgerald, Dean of the Medical School, Toronto, Canada – visited the Department.

The Yuvaraja Saheb of Dewas Junior also visited the Department with a view to study the activities of the

various sections of the Department.

In order to organize maternity and child-welfare work in the Department of Health Dr(Mrs.) Erica Rosenthal Deussen, M. D., was appointed towards the close of the year as Organizer, Maternity, Child and other Welfare Work in Mysore State under G. O. No. G. 7035—P.H. 66-34-4, dated January 24, 1935.

1

The expenditure on public health services incurred during the year was as follows:—

	Item.		$\operatorname{Rs.}$	a.	p.
1.	Direction		<b>2</b> 0,509	12	6
2.	Public Health Institute	• • •	17,389	7	11
3.	Vaccine Institute	• • •	21,589	1	10
4.	District Charges	• • •	93,484	3	8
5.	Plague and other Epidemic Char	rges	30,138	13	6
- 6.	Bureau of Sanitary Engineering		54,927	12	9
,	Total (1934)		2,38,039	4	2

Under G. O. No. G. 2584—P.H. 17-34-4, dated September 14—15, 1934 vaccination has been made compulsory in the rural areas of the Tumkur District for a period of 3 years from October 1, 1934.

An investigation into the prevalence of Typhoid in Bangalore City was sanctioned for a year in G. O. No.G.

5456—9—P.H. 31-33-13, dated February 5, 1934.

The Central Health Committee met twice during the

year and discussed health problems.

Four Quarterly Reports of the Department were published during the year and four issues of the Mysore Arogya were also published in English and Kanarese.

The Department co-operated with the Mysore Dasara Exhibition by putting up a Health and Sanitation Stall, at which pictorial posters and charts on the Department's activities were exhibited. A silver medal was awarded to

the Department.

Government in their order No. 190-91—C. B. 24-34-1, dated July 27, 1934 sanctioned the deputation to America of Dr. P. Parthasarathi, L.M.S., B.S.Sc., L.R.C.P., L.R.C.S., D.P.H., D.T.M., on a Fellowship of the Rockefeller Foundation. Dr. W. C. Sweet, B.Sc., M.D., Dr.P.H., Consultant in Health, proceeded home on leave on February 21, 1934 and returned to Bangalore on November 5, 1934. Mr. A. S. Venkatachalam and Mr. S. Seshagiri Rao, who had been deputed to Calcutta for diploma in Public Health, returned to duty on November 1, and October 10, 1934, respectively. Dr. V. N. Krishna Murthy, Junior Sub-Assistant Superintendent of the Public Health Institute, who took a loan from Government for study in Germany has since returned and joined duty after a stay of 15 months. Mr. V. Narasimha Murthy has been deputed to Chitaldurg in connection with the biological control of guinea-worm.

### BUREAU OF ADMINISTRATION.

### (a) City Health Organization.

#### BANGALORE CITY.

# T. CHANDRASEKHARAIYA, B.A., M.B.B.S., M.P.H., Health Officer.

Dr. P. Parthasarathi, L.M.S., B.S.Sc., L.R.C.P. L.R.C.S., D.T.M., D.P.H., was in charge of the City Health Department up to August 22, 1934 when he handed over charge

to Mr. T. Chandrasekharaiya.

Registration of Births and Deaths.—The agency for the registration of births and deaths remained the same as in former years and consisted of eight Sub-Registrars and four Sub-Registrar Vaccinators. The registration work was checked by the Sanitary Inspectors, the Lady Health Visitor, the Health Officer and the Assistant Health Officer in their rounds.

Births.—Out of a total of 6,477 births reported, skilled aid was given in 4,348 cases as shown below:--

In Maternity Hospital	•.	• . •	2,959
By Municipal Midwives		• • •	1,389
By Others	• • •	• • •	2,129

Deaths.—During the year 5,689 deaths were reported of which 775 occurred in the Institutions listed below:-

Mental Hospital	0 6 W	• •	47
Central Jail	• •	• •	- 4
Epidemic Diseases Hospital	•••		169
St. Martha's Hospital	• • •	• • •	56
Victoria Hospital	• • •	• • •	325
Maternity Hospital	• : •	2 0 1	<b>1</b> 69
Minto Ophthalmic Hospital	• • •	• • •	5

The reported deaths are classified as follows:—

Cause of	Death.			Number.
Epidemic Diseases.—				
Plague	• • •			117
Smallpox -		) • •	• • •	163
Cholera	• •	•••	• • •	33
Influenza	• • •	•••	• • •	26
Measles		• • •	• • •	49
Diphtheria	• • •	• • •	• • •	6
				1*

Fevers.—				
Malaria	• • •	• • •	• • •	36
Typhoid	• • •	• • •	- • •	36
Other Fevers	• • •	• • •		191
Respiratory Diseases.	_			
Pneumonia	•••	• • •	• • •	369
Broncho Pneumo	nia	• • •	• • •	324
Asthma	• • •	• • •		<b>10</b> 6 .
Bronchitis	• • •	• • •	• • •	16
Cough	• • •	• • •	• • •	5
Consumption	• • •		•••	377
Diseases of the Digesta	ive Syste	m		*
Dysentery	• • •	• • •	• • •	218
Diarrhœa	644		• • •	528
Accidents.—				•
Suicide			•••	7
Drowning		•••	• • •	19
Wounds and Acc			• • •	50
Child-birth.—				
Child-birth	• • •	• • •	-	71
Premature Birth	• • •		C # 0	234
Convulsions		100	<b>~ * *</b>	415
V. D. H.	• • •			58
Leprosy	•••	• • •	• • •	15
Rabies	u n •	• • •		6
All Other Causes	• • •	• • •	4 4 0	2,214

A total of 1,163 deaths of infants under one year of age was reported during the year giving an infantile death-rate of 179.56 per 1,000 births as compared with

177.47 in the previous year.

Cholera.—There were 46 attacks and 33 deaths from cholera during the year as against nil in the previous year. The disease prevailed sporadically from September to the end of December, the second and third Divisions being chiefly affected. It was not possible to trace the source of infection in spite of earnest attempts made. Twenty-five thousand nine hundred and eighty-three (25,983) anti-cholera inoculations were performed. Bilivaccine from Madras was also used as a preventive against cholera.

Motions of patients were bacteriologically examined in 10 cases, the result being positive in two cases. Samples of tap water from different parts of the City, including those from localities where cases of cholera occurred, were examined.

The infected houses as well as the neighbouring houses, were disinfected. Soiled clothings of the patients were burnt wherever it was possible to do so. All the wells in the infected localities were hankanized. People of the locality were advised to get themselves inoculated and to eat freshly cooked food and drink boiled water. Leaflets explaining the mode of spread of the disease, its prevention and the danger from house flies, etc., were distributed all over the City and explained through talks. Destruction of over-ripe and rotten fruits was carried out. Use of fly-and-dust-proof show cases was insisted upon in the eating houses, sweetmeat shops, hotels, coffee clubs, etc. Congested places where the poorer floating population are known to congregate were visited frequently in order to detect suspicious cases, if any, among them. Patients were isolated as far as possible to avoid infection.

Smallpox.—There were 477 attacks and 163 deaths from small-pox during the year as against 89 attacks and 23 deaths in the previous year. The number of persons vaccinated was 57,835 (6,574 primary and 51,261 re-vaccinations) as compared with 18,342 in the previous year. A vaccination campaign was undertaken by the end of November in anticipation of an impending epidemic and the Municipal Council sanctioned the entertainment of

10 temporary Vaccinators for the purpose.

Plague.— One hundred and fifty (150) attacks and 117 deaths were reported from plague as against 154 attacks and 119 deaths in the previous year. The preventive measures adopted for checking the spread of the disease were disinfection, dessication, isolation and inoculation. Thirteen thousand two hundred and seventy-two (13,272) persons were inoculated against plague as compared with 12,361 in the previous year.

Two hundred and eight (208) rodents were examined by the Health Officer for plague infection. The results

were:-

 Positive
 ...
 54

 Negative
 ...
 127

 Doubtful
 ...
 27

Typhoid.—Thirty-six (36) deaths occurred during the year as against 58 in the previous year. Preventive and precautionary measures were adopted to combat the disease and 2,054 anti-typhoid inoculations were performed. Requisitions were made to the private

practitioners to give timely intimation to the Health Office regarding cases of typhoid coming under their care, but the request was complied with only in a small number of cases.

Mr. A. S. Venkatachalam, on his return from Calcutta in November 1934 was asked to investigate the prevalence of typhoid in the city.

Influenza.—There were 29 deaths reported during the year against 16 in the previous year.

Disinfection.—A disinfection gang of 15 men worked under a trained Sanitary Inspector, and 2,215 houses were disinfected against 1,987 in the previous year.

Sanitary Inspectors. The total number of house to house inspections done by them was 10,969 against 9,869 in the previous year. Sanitary defects were noticed in 2,337 premises and notices were issued under different sections of the Municipal Regulation for effecting improvements. The terms were complied with in 724 cases. Prosecutions were instituted in 1,328 cases, of which convictions were given in 316 cases, 25 were struck off, 118 were withdrawn, 70 ended in acquittal, whilst the remaining 799 cases were pending disposal.

Other sanitary improvements effected in the City referred to (a) the conversion of pit latrines into daily conservable latrines, (b) white-washing of houses, (c) getting the vacant lands enclosed by compound walls, and (d) opening out of the conservancy lanes.

Propaganda.—Talks on prevention of plague, typhoid and small-pox were given and leaflets on cholera, small-pox, etc., were distributed in the infected localities and the neighbourhood.

Water Supply.—The management of the water supply was in charge of the Executive Engineer, Water Supply Division, under the Public Works Department. Weekly statements of results of bacteriological analysis of Hesarghatta Tank filtered and unfiltered water, and Thippagondanahalli water received in the City Health Office indicated that the standard of purity except in very few cases was generally satisfactory at the source.

Markets and Slaughter House.—The sanitary staff visited the markets daily for inspection and 36 visits were paid to the slaughter house.

Destruction of Dogs.—Seven hundred and eighty-seven (787) stray dogs were destroyed at a cost of Rs. 25-4-0 against 1,147 in the previous year costing Rs. 83-5-6.

Hotels, Eating Houses, Aerated Water Factories.— The Sanitary staff and the Health Officer inspected these places and necessary action was taken in all cases where defects were noticed. Existing bye-laws in respect of hotels regarding the (a) preserving of articles of food, etc., in-dust and fly-proof cases, (b) sterilising cleaned vessels with boiling water and (c) providing suitable outlet for smoke, etc., were regularly enforced.

Anti-Malaria Measures.—The anti-malaria station attached to the City Municipality, Bangalore, continued its operation as in the previous year. Parisgreening the anopheline breeding places regularly once a week and stocking of fish in wells were done. The work was checked and supervised by the Assistant Sanitary Inspectors and the Assistant Health Officer attached to the staff. The stock of fish in 5,115 wells was renewed during the year.

One thousand four hundred and fifty-seven (1,457) anopheline mosquitoes were caught and identified during the year as against 1,025 in the previous year. The

spleen rate was 1.4.

Crude oil operations were done in the following localities:—

1. All the catch pits and cess pools in Crescent Road.

2. Drains by the side of Seshadripuram Main Road leading to Palace Guttahalli.

3. Drains by the side of Link Road.

4. Swamps and channels in Seshadripuram and main channels in Dodmavalli tank.

A Malaria Stall was opened at the Education Week of the Bangalore Education Association. On a request from the Head-mistress of the Wesleyan Mission Girls' School, Nagarthpet, Bangalore City, a Malaria stall was arranged at the Institution in order to explain to the students and teachers how malaria spreads and how it may be controlled in Bangalore City.

Maternity and Child Welfare.—A Lady Health Visi-

tor was entertained during the year.

Towards the expenses of the Milk Centre maintained by the Civic and Social Progress Association in Ganigarpet, the Municipality contributed Rs. 30 per mensem. A Creche was maintained by the Maternity and Child Welfare Association in Beli Mutt Road near Binny Mills.

Health and Baby Show.—The Bangalore City Branch of the Indian Red Cross Society organized a Health and Baby Show in the City from June 2 to June 8, 1934. The City Council sanctioned a sum of Rs. 600 towards this expenditure.

### MYSORE CITY.

# S. RAMACHANDRA RAO, L.M.S., Health Officer.

Mr. M. G. Srinivasa Peidpet was in charge of the City Health Department up to October 29, 1934 from which date Mr. S. Ramachandra Rao has been in charge.

Registration of Births and Deaths.—There was no change in the system of registration of vital statistics. A total of 3056 births was reported, of which 131 were still-births. Of the 2,645 deaths that occurred 347 were infants under one year of age and these were due to convulsions, debility and premature births.

Smallpox.—A total of 127 attacks with 52 deaths from small-pox was reported during the year as compared with 60 attacks with 33 deaths in the preceding year. As an anti-disease measure 11,871 vaccinations were performed, of which 6,656 were primary and 5,215 re-vaccinations.

Plague.—Two hundred and fifty-five attacks and 170 deaths from plague were reported as against 170 attacks and 126 deaths in the previous year. Of these attacks 12 cases were imported, of whom 7 died. Anti-plague inoculations were given to 19,334 persons and no attacks were reported among the inoculated.

Cholera.—Two attacks were reported from this disease.

Influenza.—Forty-eight (48) attacks, with as many

deaths, were reported during the year.

Typhoid.—Twenty-six (26) deaths from typhoid were registered and in this connection 48 anti-typhoid inoculations were performed. It was suspected that many cases were not being reported and all the private practitioners were circularized to notify promptly cases coming under their care. As a preventive measure latrines and drains in the infected areas were disinfected, and improved wherever found defective.

Disinfection.—A total of 1,132 houses was disinfected

during the year.

Anti-malaria operations.—For controlling anopheline breeding 50 new wells, 30 ponds and 2 tanks were stocked with larvicidal fish. A fresh consignment was distributed into 1,610 wells, 268 ponds and two tanks. Most of the wells that were inspected for mosquito larvæ showed no breeding. Many burrow pits were also stocked with fish.

Health Propaganda.—Health leaflets on plague, typhoid, cholera, small-pox and personal hygiene were printed and distributed. Lantern lectures were given.

Health and Baby Week.—As in the last year Health and Baby Week celebrations were organized under the auspices of the Mysore City Branch of the Indian Red Cross Society in the month of April 1934. The Gunamba Maternity and Child Welfare Trust, the Civic and Social Progress Association and the Red Cross Society continued to render all possible assistance in the matter of maternity and child welfare work and allied activities. A Health Exhibition was arranged in connection with Health and Baby Show celebrations.

Inspection.—Markets and slaughter houses were regularly inspected. Seventeen (17) hotels, 95 coffee clubs, 27 bakeries, 29 ærated water factories, 100 sweet-meat shops, 23 private meat stalls, 375 dangerous and offensive trading shops and two ice-manufacturing shops were inspected. One thousand five hundred and sixty-eight (1,568) premises were visited and 991 notices were issued under the sanitary sections of the Municipal Regulation. The terms of notices were complied with in 900 cases.

Prosecutions.—Three hundred and ninety-five (395) prosecutions were launched, of which 95 ended in conviction, 8 in acquittal, 271 were withdrawn and 21 cases

were pending at the close of the year.

Destruction of Stray Dogs.—Two thousand two hundred and seventy six (2,276) stray dogs were caught and

destroyed during the year.

Laboratory.—Two hundred and forty-six (246) samples of water, one of urine, six of motion for cholera, one of fæcal matter for hookworm infection and four of water for typhoid were examined at the Health Office Laboratory.

Rat Menace.—Of the 105 rodents examined for plague

infection 12 were found to be positive.

Food Adulteration.—Forty-eight (48) samples, viz., nine of butter, 20 of ghee, four of coffee, 14 of milk and one of cream, were analysed. Twenty (20) of these were found to be adulterated. Fiteen (15) prosecutions were filed against vendors, of which 11 cases ended in conviction, three were withdrawn and one ended in acquittal.

Manufacture of Compost.—A total of 3,300 tons of compost was manufactured during the year as against 2,400 tons in the preceding year. The quantity of compost sold amounted to 2,700 tons. At the Agricultural Laboratories 48 samples of compost were analysed and it was found that the nitrogen content varied between 0.97 per cent and 1.50 per cent.

### KOLAR GOLD FIELD.

# G. N. SESHADRI, L. M. S., D. P. H., Health Officer.

Registration of Births and Deaths.—Of the 4,186 births reported during the year, 852 (or 20°35 per cent) were conducted in the Government Maternity Hospital, Robertsonpet and Champion Reef Dispensary, 1,925 under the care of qualified Midwives and the remaining 1,409 by unskilled women. The Mining Authorities maintained nine Midwives, and the Sanitary Board three.

Two thousand five hundred and ninety-five (2,595) deaths occurred during the year and the chief causes of death were:—

Cause of Death.				Number.
Epidemic Disease	s.—			
Cholera		• • •	• • •	1
Plague	• • •	• • •		44
Small-pox	• • •		• • •	50
Infuenza	• • •	• • •	• • •	87
Fevers				
Malaria	• • •	• • •	• • •	92
Typhoid			• • •	14
Respiratory Disea	ses.—			
Pneumonia	• • •	• • •	• • •	296
Consumption	• • •	• • •		59
Respiratory Dis	eases	• • •	• • •	176
Dysentery	• • •	• •	• • •	297
Suicide	•••	•••	• • •	3
Snake-bite	• • •	• • •	• • •	· 1
Accidents	* * *	***	• • •	87
Premature Birtl	ns .	•••	• • •	44

Other Diseases.—
All Other Causes ... 1,344

Seven hundred and forty-three infants (743) under one year of age died during the year and the reported causes were:—

Smallpox		• • •	• • •	2
Influenza	• • •	• •	• • •	5
Pneumonia		• • •		<b>1</b> 8
Other Fevers		• • •	• • •	12
Dysentery	• • •		• • •	13
Diarrhoea	• • •	• • •	• • •	46
Gastric Enteritis	• • •	* ô *		1
Bowel complaints	S	• • •	• • •	4
Bronchitis	• • •	• • •	• • •	26
Drowning	• • •	• • •	• • •	1
Premature Births	3	* * *		44
Debility	• • •	• • •		388
Convulsions	• • •	• • •	• • •	140
Malnutrition		<b>₩ • ∨</b>	• • •	21
All Other Causes		• • •	• • •	21

Smallpox.—Three hundred and sixty nine (369) attacks and 50 deaths were reported as compared with 103 attacks with four deaths in the previous year. A total of 28,598 vaccinations was performed as against 26 741 in the previous year. Of the vaccinations 4,668 were primary and 23,930 re-vaccinations. Eighty-seven per cent of the primary and 50.7 per cent of the re-vaccinations were successful.

Plague.—Seventy-one (71) attacks and 44 deaths from plague were reported. As many as 13,522 anti-plague inoculations were performed. A total of 1,324 rats were destroyed.

Cholera.—There were two imported cases of cholera

of which one proved fatal.

Anti-malarial work.—Stagnant collections of water serving as mosquito breeding centres were drained off and pits and hollows were filled up. Removal of rank vegetation was also undertaken. Persons suffering from malaria

were given quinine tablets in their homes.

Measures against Rabies.—The practice of licensing the dogs was enforced as in previous years. A total of 1,958 stray dogs were destroyed by strychnine poisoning. Two hundred and sixty-seven (267) dogs that had bitten 302 persons were kept under observation. The brains of 15 dogs were sent to Coonoor for examination. Eighty-five persons were advised antirabic treatment.

Laboratory Work.—The following statement gives the details of laboratory work done during the year:—

	Particulars.	No. o	of samples.
1.	Water samples from Bethamangala		22
2.	Water samples from private agency and villa	ges	7.
3.	Milk samples		8
4.	Liver and Spleen of cattle for anthrax	• • •	53
5.	Ghee samples	• • •	. 9
6.	Rat for plague	• • •	30
7.	Coffee samples	• • •	10
8.	Smear for gonococci	• • •	42
9.	Smear for cholera	• • •	4
10.	Urine for albumin and sugar	• • •	33
11.	Smear for malaria	• • •	26
12.	Sputum for T. B	• • •	42
13.	Motion for Ova	• • •	4
14.	Motion for amæbæ	• • •	9
<b>1</b> 5.	Ragi	• • •	1
16.	Blood sugar test	• • •	8
17.	Blood smear for Hodgkins	• • •	2

Prosecutions.—Under the sanitary sections of the Municipal Regulation 63 notices were issued during the year, of which three were complied with 54 ended in conviction, two in acquittal and four were pending disposal.

# (b) District Health Organizations.

Health work in the Districts of Mysore and Shimoga was in charge of full-time Health Officers, whilst in Bangalore, Chitaldrug, Hassan, Kadur, Kolar and Tumkur Districts the District Medical Officers continued to be ex-officio Sanitary Officers as well.

### BANGALORE DISTRICT.

During the year 24,223 births and 18,119 deaths were reported. Of the deaths, 2,705 were under one year of age. Deaths due to plague, small-pox and cholera were 1,049 and 933 and 89, respectively.

Control of Epidemic Diseases.—In the year under report, 95,496 vaccinations against small-pox were done, of which 35,894 were primary and 59,602 re-vaccinations. A total of 6,514 anti-cholera inoculations and 38,554 anti-plague inoculations were performed during the year.

Malaria Relief Work.—Quinine tablets were distributed free in the affected villages.

Jatras.—Eight important jatras were held during

the year.

Prosecutions.—Two hundred and seventy-three (273) notices were issued for sanitary offences, of which 253 were complied with, 11 ended in prosecution and nine were

pending disposal at the close of the year.

Sanitation in Municipalities.—All the 13 Municipalities in the district spent on the aggregate during the year Rs. 976-12-0 on drainage, Rs. 37,436-0-0 on water works and Rs. 4,670-0-0 on other sanitary improvements. One hundred and eighty-five (185) sweepers worked in these Municipalities.

### CHITALDRUG DISTRICT.

In this district 9,076 births and 15,022 deaths were reported. The number of deaths under one year of age was 1,191. Under plague, smallpox and cholera 959 and

278 and 35 deaths were reported.

Control of Epidemic Diseases.—A total of 17,558 vaccinations was performed during the year, of which 15,667 were primary and 1,891 re-vaccinations. Thirteen thousand three hundred and twenty-four (13,324) antiplague inoculations were done.

Malaria Relief Work.—Malaria prevailed in a few Taluks. Quinine was freely distributed in the affected areas through the agency of the Sub-Assistant Surgeons.

Inspection.—The District Medical and Sanitary Officer and the Medical Subordinates visited 109 villages on epidemic duty. They also inspected 43 Schools, and examined 537 children.

Jatras.—At three important jatras temporary latrines were constructed, and proper arrangements were made for

scavenging and conservancy.

Prosecutions.—Four hundred and sixteen (416) notices were issued, of which 249 were complied with, 142 ended in conviction and 25 cases were pending disposal at

the close of the year.

Sanitation in Municipalities.—The 11 Municipalities in the district incurred a total expenditure of Rs. 11,578 on drainage, Rs. 34,916-13-0 on water works and Rs. 8,995-0-0 on other sanitary improvements. One hundred and seventy-six sweepers were employed in these Municipalities.

### HASSAN DISTRICT.

During the year, 9,426 births and 9,239 deaths were reported. Of the deaths, 1,133 were under one year of age. The reported deaths under plague, small-pox and

cholera were 404 and 297 and 32, respectively.

Control of Epidemic Diseases.—As a preventive of small-pox 22,595 vaccinations were done during the year. Of these 19,845 were primary and 2,750 re-vaccinations. Eight thousand, three hundred and fifty-two anti-plague (8,352) inoculations were performed.

Malaria Relief Work.—Malaria prevailed generally in all the Taluks and quinine was distributed free in the

affected areas.

Inspections.—The District Medical and Sanitary Officer and the Medical Subordinates visited 56 villages on epidemic duty. They paid visits to four schools, examined 199 children and treated 49.

Jatras.—Six important jatras were held during the year at which necessary sanitary arrangements were

made.

Prosecutions.—Three hundred and thirteen (313) notices were issued against sanitary offences. Of these 212 were complied with, 10 ended in conviction and 91

were pending disposal at the close of the year.

Sanitation in Municipalities.—The 11 Municipalities in the district spent an aggregate total of Rs. 6,705 on drainage, Rs. 18,426 on water works, Rs. 160 on dwelling houses and Rs. 13,816 on other sanitary improvements. One hundred and sixty-three (163) sweepers were employed.

#### KADUR DISTRICT.

In the year under report, a total of 5,014 births and 4,777 deaths were reported. Infant deaths totalled 568 and deaths due to plague, small-pox and cholera were 180,

and 39 and 9 respectively.

Control of Epidemic Diseases — Thirteen thousand five hundred and twenty-six (13,526) vaccinations were performed during the year, of which 10,475 were primary and 3,051 re-vaccinations. A total of 6,430 anti-plague inoculations was performed.

Malaria Relief Work.— Malaria relief measures by way of distributing quinine tablets were undertaken by

the Medical and Revenue Departments and the District Board.

Inspection.— The Sanitary staff inspected 260 dwelling houses, 12 hotels, 10 mutton and fish stalls, six chakna stalls, 29 coffee clubs, 6 ærated factories, five bakeries, one market and two slaughter houses. The District Medical and Sanitary Officer and Medical Subordinates visited 109 towns and villages on epidemic duty. They inspected 22 schools, examined 1,105 children and treated 433.

Jatras.—Two important jatras were held during the year, at which the usual sanitary arrangements were made.

Prosecutions.—One hundred and thirty-six (136) notices were issued for sanitary offences of which 108 were complied with and 28 were pending disposal at the

close of the year.

Sanitation in Municipalities.—The 10 Municipalities in the district spent Rs. 12,019 on drainage, Rs. 16,684 on water works, and Rs. 2,126 on other sanitary improvements. One hundred and twenty-two sweepers were employed.

#### KOLAR DISTRICT.

Births reported during the year were 16,421 whilst the number of deaths was 11,742. Of the deaths 2,297 were under one year of age. Deaths due to plague, small-pox and cholera were 422, 703 and 47, respectively.

Control of Epidemic Diseases.—As a preventive measure against small-pox a total of 57,352 vaccinations was performed, of which 22,108 were primary and 35,244 re-vaccinations. Four (4) lantern lectures were given and 2,000 hand-bills on small-pox distributed. A total of 25,439 anti-plague inoculations was performed in the year under report.

Prosecutions.—Two hundred and ninety-five (295) notices were issued against sanitary offences, of which 270 were complied with, four ended in prosecution and 21

were pending disposal at the close of the year.

Sanitation in Municipalities.—The 11 Municipalities in the district spent a total of Rs. 4,911 on drainage, Rs. 3,610 on water works, Rs. 86 on dwelling houses, and Rs. 5,152 on other sanitary improvements. In all 150 sweepers were employed in these Municipalities.

### MYSORE DISTRICT.

# M. G. Srinivasa Peidpet, L.M.S., B.S. Sc., District Health Officer.

Mr. G. M. Dominick was in charge of the District Health Office up to October 20, 1934 when Mr. M. G.

Srinivasa Peidpet, took charge.

In Mysore District 27,940 births were reported during the year. The number of deaths reported was 28,590, of which 2,796 were under one year of age. Deaths under plague, small-pox and cholera were 2,106, 1,938 and 97,

respectively.

Control of Epidemic Diseases.—Preventive measures against plague such as evacuation and disinfection of infected houses were carried out. As many as 41,567 anti-plague inoculations were performed. As there was an increased prevalence of small-pox during the year, two temporary Vaccinators were entertained A total of 51,205 vaccinations was done, of which 42,776 were primary and 8,429 re-vaccinations.

The district was practically free from cholera during the year. A total of 1,169 anti-cholera inoculations

was done.

Malaria Relief Work.—Malaria was prevalent throughout the year in a severe form in the Irwin Canal Area. A few villages adjoining the canal zone were also affected. Quinine was distributed free in the affected areas. Two Sub-Assistant Surgeons were posted on special malaria duty. The Local Bodies were advised to drain off stagnant pools for preventing breeding of mosquitoes.

Jatras.—Eight important jatras were held during the year and no outbreak of epidemic disease occurred at these jatras. The sanitary arrangements consisted in the employment of special conservancy staff and putting up of temporary latrines. The drinking water sources were treated with perchloron wherever possible. Provision was

also made for rendering medical aid.

Inspection.—The District Health Officer visited the major and minor Municipalities on inspection work. The Health Officer and Medical Subordinates visited 394 villages on epidemic duty. They also visited 56 schools during their itinerary and examined 1,279 children.

Prosecutions.—Five hundred and forty-eight (548) notices were issued against sanitary offences, of which 364 were complied with, 34 ended in prosecution and 150 were

pending disposal at the close of the year.

Sanitation in Municipalities.—The 26 Municipalities in the district together spent a sum of Rs. 9,761-5-0 on drainage, Rs. 24,519-10-7 on water works, Rs. 5,287-15-0 on dwelling houses and Rs. 5,510-8-9 on other sanitary improvements. A total of 290 sweepers were employed in these Municipalities.

### SHIMOGA DISTRICT.

# G. M. DOMINICK, M.R.C.S., D.P.H., District Health Officer.

Mr. S. Ramachandra Rao handed over charge to Mr. V. Srinivasa Mudaliar, L.M.s., District Medical Officer on October 11, 1934. This Officer was in charge up to October 27, 1934 when Mr G. M. Dominick took charge.

The reported births during the year were 9,716 and the registered deaths were 10,039. Of the reported deaths 1,350 were under one year of age. Deaths reported under plague, small-pox and cholera were 627, 84 and 10, respectively.

Control of Epidemic Diseases.—As an anti-small-pox measure 22,875 vaccinations were performed. Of these,

20,638 were primary and 2,237 re-vaccinations.

In Shimoga, Channagiri and Honnali Taluks 14,503

anti-plague inoculations were performed.

Malaria Relief Work.—Eighteen wells in Shimoga Town were stocked with larvicidal fish. Quinine was

freely distributed in the affected villages.

Inspection.—The District Health Officer and the Medical Subordinates visited 234 villages on epidemic duty. They also inspected 80 schools, examined 2,692 children and treated 357 sick children.

Health Lectures.—The District Health Officer gave 24 health talks, of which five were illustrated with lantern slides. Leaflets on Malaria and Small-pox were distributed.

Jatras.—Six important jatras were held in the district at which proper sanitary arrangements, such as construction of temporary latrines, scavenging arrangements, etc., were made.

Prosecutions.—Seven hundred and fifty-five (755) notices were issued against sanitary offences, of which 536 were complied with, 115 ended in prosecution and

104 were pending disposal at the close of the year.

Sanitation in Municipalities.—The 12 Municipalities in the district spent on an aggregate Rs. 816-15-0 on drainage, Rs. 11,686-13-0 on water works, Rs. 115 on dwelling houses, and Rs. 7,428-15-0 on other sanitary improvements. One hundred and fifty-eight (158) sweepers were employed in these Municipalities.

#### TUMKUR DISTRICT.

In this District, 15,486 births and 16,063 deaths were reported. Of the deaths 2,186 were under one year of age. Deaths due to plague, small-pox and cholera were

143, 249 and 27 respectively.

Control of Epidemic Diseases.—A total of 27,649 vaccinations was performed during the year. Of these 24,164 were primary and 3,485 re-vaccinations. Five hundred and fifty-nine (559) anti-plague inoculations were done.

Jatras.—Eight important jatras were held during the year at which the usual sanitary arrangements were made.

Inspection.—The District Medical and Sanitary Officer and the Medical Subordinates visited 30 villages on epidemic duty. They also inspected 20 schools, examined 804 children and treated 664.

Prosecutions.—Four hundred and eighty-five (485) notices against sanitary offences were issued during the year, of which 425 were complied with, 18 ended in pro-

secution and 42 were under disposal.

Sanitation in Municipalities.—The 10 Municipalities in the district spent an aggregate amount of Rs. 8,844 on drainage, Rs. 62,455 on water works, Rs. 1,553 on dwelling houses and Rs. 16,029 on other sanitary improvements. One hundred and eighty-one (181) sweepers were employed during the year.

# (c) Voluntary Organizations.

Indian Red Cross Society (Mysore State Branch).

Sir Charles Todhunter, K.C.S.I., J.P., Private Secretary to His Highness the Maharaja of Mysore, acted as

Chairman of the Executive Committee, and Rajacharita-visarada Rao Sahib Mr. C. Hayavadana Rao, B.A., B.L., as Honorary Secretary and Treasurer. The Executive Committee held seven meetings during the year. District branches were opened in Tumkur, French-Rocks and Nanjangud.

Junior Red Cross.—The number of Junior Red Cross groups was 40 with a membership of 1,719 as compared with 17 groups with 576 members in the previous year. The aim of this organization is the promotion of health education in schools and encouragement of international

friendliness.

Ambulance.—Ambulance classes started in the different High Schools were conducted by the local doctors. Of the three teams sent to Calcutta, the 21st Bangalore Group, Boy Scouts of Mysore, got the second place in the Jardine Boy Scouts' Ambulance Challenge Shield competition and the 15th Bangalore Group secured a comparatively high place.

Maternity and Child Welfare.—Maternity and child welfare is the keynote of Red Cross work in the State. During the year maternity and child welfare centres were started at French-Rocks and Nanjangud. The scheme of constructing maternity homes in rural areas is being worked out and the plans and estimates are being got

ready.

Baby Week celebrations were held throughout the State and they proved to be popular. Mysore State secured the third place in the Imperial Baby Week Challenge Shield competition, and the second place in the Indian Empire Health and Baby Week Irwin Challenge Cup competition. The Vani Vilas Shield was awarded to French-Rocks for the best Baby Week Campaign in 1934.

Anti-Tuberculosis Work.—The King George Thanksgiving Anti-Tuberculosis Committee, Indian Head-quarters, increased the grant during the year to Rs. 3,000. This made possible the appointment of a medical graduate for organizing a campaign against tuberculosis in Mysore City. He visited the patients in their houses and gave "intradermal tuberculin" injections. A nurse has also been appointed to attend to the treatment of children in the Solarium in addition to house visits. Princess Krishnajammanni Tuberculosis Sanatorium and the outpatient dispensary afford facilities to the tuberculosis patients.

At the Anti-tuberculosis Conference held at Warsaw, a bronze medal was awarded to the Mysore State. The Hassan Masud Suhraward Anti-Tuberculosis Shield has been awarded to the Mysore City Municipality for the best scheme of work against Tuberculosis in Mysore State

for the year 1934.

Propaganda.—The Red Cross propaganda consisted of articles written to the press and distribution of printed literature. At the Dasara Exhibition in Mysore City a Red Cross Stall was put up as in the previous year. Propaganda material was supplied to centres celebrating Health and Baby Shows. A Red Cross propaganda lecturer was also appointed, with a definite programme of work, to deliver lectures in Kanarese on Red Cross and general health subjects once a week in selected Divisions of Bangalore City.

## Beli Mutt Creche, Bangalore City.

The Creche is under the management of the Committee of the Mysore State Women's Conference. On an average 18 children attended the Creche every day. They were given hot water baths every day and a trained Nurse attached to the Creche was in charge of this work. The babies were regularly weighed once a week and a record was maintained. The doctor in charge of the Arlepet Local Fund Dispensary paid visits to the Creche and gave medical aid. He visited some of the houses in the slum areas. The total expenditure incurred was Rs. 952-4-7.

# Civic and Social Progress Association, Bangalore City.

At this Centre the daily attendance of children was about 40 on an average. They were given warm water baths daily and oil baths periodically. The honorary lady doctor in charge prescribed the feeds and treated minor ailments of children attending the Centre. Fresh cows' milk was supplied both in the morning and evening. The nurse in charge conducted 74 labour cases and paid 1,350 domiciliary visits.

# Deena Seva Sangha, Bangalore City.

At the two dispensaries attached to the Sangha, 9,580 males, 7,849 females and 18,281 children received

treatment during the year. The doctor in charge paid visits to the huts of poor people and gave talks on health subjects. At this Centre 14,400 children were given oil baths and ordinary baths with soap and water. A total of 7,200 cakes of soap was sold to the poor at half price. And 124 lectures with the aid of magic lantern slides were delivered.

## Mahila Seva Samaja, Basavangudi, Bangalore City.

Ante-natal and baby clinics were held once a week at this Centre. As many as 428 pregnant women and 793 children attended these clinics. Health talks to mothers were given, particularly in regard to the proper upbringing of children.

# Milk Centre, Military Area, Hebbal, Bangalore City.

Two hundred and thirteen (213) children residing in the Hebbal Military area took advantage of this Milk Centre. The Lady Sub-Assistant Surgeon, attached to the Female Dispensary, Hebbal, prescribed the feeds of milk, which were given twice a day. The children were regularly weighed once a week and the progress in their weights was recorded. Minor ailments, such as cold, cough, fever, etc., were treated. The nurse attached to the Centre paid 2,351 house visits and conducted 18 labour cases. Nine (9) ante-natal and six baby clinics were held.

### The Bangalore Woollen, Cotton and Silk Mills Welfare Centre, Bangalore City.

This Centre which was started in 1930 has a Secretary, two doctors and one qualified nurse who are responsible for the work of the Centre.

Infants of women workers in the Mills are brought twice a day into the shed provided for the purpose, where the mothers are allowed to nurse them. Free medical attendance is given at the Mill Dispensary, and in exceptional cases, the nurse visits the patients in their homes. Periodical examination is made of all women workers after the sixth month of pregnancy, and one month before confinement they are sent away on compulsory maternity leave extending for a period of three months.

The Committee of management carries on a Safety First Campaign for the prevention of accidents. A motor

ambulance is in readiness for emergencies.

# Ante-natal Clinics, Vani Vilas Hospital, Mysore City.

Ante-natal and Baby Clinics were held at the Vani Vilas Hospital, Mysore. In the year under report, 2,023 expectant mothers and 507 children attended these clinics.

## Civic and Social Progress Association. Mysore City.

At this Centre the average daily attendance was 22. A total of 48,970 free feeds of milk were given to children attending the Centre. The children were regularly weighed once a week and a record of their weights was kept. Nine hundred and sixty (960) ordinary baths to children with soap and warm water and 2,037 with oil were given. Ten unprotected children were vaccinated at the Centre.

# Gunamba Maternity and Child Welfare Trust, Mysore City.

Six Maternity and Child Welfare Centres, two Toddler's Sections, and one Creche at the Sri Krishnarajendra Mills worked during the year. The following is a summary of work done:—

, , , , , , ,		
1.	Number of Babies under protection.—	
	Devaraja, Savoy and Gajasala Centres	100
	Sri Vani Vilas, Mallamma and Subraman- yam Centres	130
	Creche at the Sri Krishnarajendra Mills	35
2.	Daily Attendance.—	
Pro C	Devaraja, Savoy and Gajasala Centres  Sri Vani Vilas, Mallamma and Subraman- yam Centres  Creche at the Sri Krishnarajendra Mills	497
3.,	Baths.—	
á -	Ordinary	73,377 11,942
4.	Vaccinations	215
5.	Maternity Section.—	,
•	Houses visited by out-dcor nurses	795
	Labour cases conducted by them Difficult cases referred to Hospital	425 48
6.	Ante-natal clinics.—	
	Ante-natal clinics held	58 377
7.	Baby Clinics.—	
	Baby clinics conducted	127 4,061

## Maternity and Child Welfare Centres, Kolar Gold Field.

The total attendance at the different centres was 4,195 during the year. A total of 8,717 baths were given to the children attending the centres. The Lady Health Visitor paid 2,800 pre-natal and 6,097 post-natal visits.

### Gurukula Seva Sangha, Kengeri.

Two thousand and seventy (2,070) children were given free baths with soap and water. Two hundred and fifty-seven (257) health talks with the aid of lantern slides and picture posters were given to the villagers in the neighbourhood. The total attendance at the Ayurvedic Dispensary attached to the Sangha was 11,530, of which 4,064 were males, 1,856 females and 5,610 children.

### Baby Clinic, Shimoga.

The total attendance during the year was 1,685 children, as compared with 1,538 in the previous year, giving an average weekly attendance of 32. The ante-natal clinics were popular as shown by the total attendance of 1,851. Difficult cases were referred to the Hospital for treatment. The total expenditure incurred during the year was Rs. 554.

### BUREAU OF LABORATORIES.

### (a) Public Health Institute.

# C. V. Natarajan, B.Sc., M.B.B.S., Dr. P.H., Superintendent.

General.—In addition to routine work an effort was made during the year to perfect the technique of the different tests employed. Newer and more accurate methods were adopted wherever necessary. Klines' Test, a modification of agglutination test for the diagnosis of syphilis and a substitute for the Wassermann test was undertaken.

Four hundred and fourty-nine (449) slides of smears received from the Maternity Hospitals were examined; of this 136 were positive for gonococcus. The matter has, however, to be further investigated.

T. A. B. Vaccine was prepared and supplied to the following institutions:—

			cc.
1.	Health Officer, Bangalore City	• • •	850
2.	Krishnarajendra Hospital, Mysore City	• • •	10
3.	Municipal President, Kunigal		50

Ten (10) samples of glycerine and lanoline lymph prepared at the Vaccine Institute were examined bacteriologically.

The following papers were contributed:—

(1) Saloon sycosis.

- (2) Case reports of anæmia treated with domestic liver extract.
- (3) Bacteriological mutations.

(4) Pathology of calcium.

(5) Some aspects of pathogenic bacteria.

Bacteriological Section.—Nine thousand and sixty-five (9,065) samples were examined in this section as compared with 9,107 in the preceding year. The following statement gives the particulars of work done.

No.	Particulars		Results of Examination		
			Positive	Negative	Total
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Blood for Widal Butter Cakes Cerebro-spinal Fluid Conji for Cholera Vibrios Fluid from knee joint Jola Lysol Milk for Cholera Vibrios Motion for B. Coli Motion for Cholera Vibrios Motion for Identification of Drugs Motion for ova of Intestinal Worn Motion for Tubercle Bacilli Motion for Typhoid	as	13  1,801 162   2 5  24	52 1 4,099 164  1  1  53 1 35 2 3	1 53 3 500 65 1 5,900 326 1 1 1 1 1 1 2 58 1 59 2 3
23 24 25 26 27	Preparations of Auto-vaccine Scrapings from Nail Scraping from Uterus Scrapings from Vessel for Arsenic Section Cutting	•••		1	22 1 1 1 1 1

No.	Particulars		of Exami	nation
140.	Tarorcurars	Positive	Negative	Total
28	Smear for B. Coli		1	1
29	Smear from Bubo for B. Pestis		2	2
30	Smear from dead rat for Pasteurella			
	Pestis.	3	7	10
31	Smear for Gonococci	12	23	35
32	Smear for Meningitis		2	2
33	Smear from Nasopharynx for Lepra			
	Bacilli.	2	3	5
34	Smear (Lochial) for Organisms	193	157	350
35	Smear (Placental) for Organisms	44	117	161
36	Smear from Throat for Diphtheria			
	Bacilli.	2	<b>2</b>	4
37	Smear from Urethra for Organisms	6	8	14
38	Sputum for Tubercle Bacilli	21	47	68
39	Urine for B. Coli	9	9	18
40	Urine for Cultural Examination		• • •	6
41	Urine for Gonococci	2	2	4
42	Vomit for Cholera Vibrios	4	9	13
43	Water for Cholera Vibrios	12	85	97
44	Water for Typhoid Bacilli	1	280	281
45	Water Samples Analysed	• • •	• • •	984

A total of 5,900 samples of blood were sent from the various hospitals in the State for Wassermann reaction test. Of these 1,801 (or 30.5 per cent) were found to be positive and 4,099 negative.

Of the 984 samples of water examined bacteriologically, 943 were filtered waters and the remaining 4! were unfiltered or draw-well waters. The results of examination are noted below:—

		В.	Coli	ind	lex	pe	 r 1	0 <b>0</b> c	ec.	
City or Town	Source	Total	0		4	6	8	10	20	100
Bangalore City C. J. Filters.	Taps Filtered water from Tippagon- danahalli, Hessar- ghatta and	662	252	56	76	55	36	42	50	95
Sivasamudram	Soldevanhalli Filtered.	273 8	$\begin{array}{c} 245 \\ 1 \end{array}$	9	3	$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	•••	6 1	$\begin{bmatrix} 3 \\ 1 \end{bmatrix}$	6

Chemical Section.—In the Chemical Section 676 specimens, as against 705 in the previous year, were examined as detailed below:—

				•
1.	Aerated Water	<b>1</b>	25.	Jolam 1
2.	Alum	2	24.	Jwarahari Pills 1
3.	Biscuits	1	25.	Lime 2
4.	Blood Calcium	1	26.	Liquor 2
5.	Blood Sugar		27.	Material collected
	Estimation	23		from roof 1
6.	Brandy	1	28.	Milk 1
7.	Bread	2	29.	Molasses spirit 1
8.	Brownish Black Substance		30.	Motion for neutral
	(Sediment) for detection			fat 2
	of iron	1	31.	Oil Cake 1
9.	Butter	6	<b>32.</b>	Paris Green 4
10.	Chlorogen	1	33.	Perfumes 15
11.	Coffee Powder	1	34.	Pyridine 2
12.	Cough Mittoi Pills	1	35.	Rectified Spirit 5
13.	Distilled water	1	36.	Rum 2
14.	Eatables	6	37.	Sand 1
15.	Essences	24	38.	Scrapings from pipe 1
16.	Estimation of Nitrogen		39.	Shell 4
	in the cultured and		40.	Siladit 1
	uncultured agar tubes	100	41.	Sulphate of Alumina 3
17.	Estimation of Nitrogen		42.	Sweets 2
	in equivalent of cow's		43.	Tea 2
,	milk	1	44.	Toddy 1
18.	Estimation of samples		45.	Toludine solution 1
	for fixing up standards		46.	Tonal Powder 1
	Coffee Powder	40	47.	Urine 207
	Ghee and Butter	120	48.	Washes 12
19.	Fish	1	49.	Water 54
20.	Ghee	2	50	Wheat 5
21.	Honge Oil	1	51.	Whime 1
22.	Intestinal Substance	1	<i>5</i> 2.	Wood-naptha 2

Under the Food and Drug Adulteration Regulation 18 samples were received. The examination was made to ascertain the purity or otherwise of the samples. The results were:—

Particulars.		•	Result.
2 Ghee samples	• • •	•••	Good
6 Butter ,,	• • •	• • •	2 good and 4 Bad
2 Bread ,,	• • •	•••	Cretified to be bad
2 Sweets ,,	• • •	•••	do
6 Eatables ,,	• • •	je.	do

Medico-Legal Section.—Two hundred and twenty-one (221) cases with 657 articles were examined in the medico-legal section as compared with 200 cases with 707 articles examined in the previous year.

	Nature of case		No. of cases Received	No. of articles Received
1. 2. 3. 4. 5. 6. 7. 8.	Mammalian Blood Suspected human poisoning Rape Explosives Abortion Acid Ragi and Ragi Flour Drowning		100 86 25 3 2 2 1 2	301 273 63 5 2 5 1 7
	Total	•••	221	657

The examination revealed mammalian blood in 86 cases, arsenic in 7, sulphuric acid in 3, copper sulphate in 2, opium in 1, spermatozoa in 14, boric acid in 2, acetic acid in 1, mercury in 1, dhatura in 1, sulphur and potassium chlorate in 1 and bacillus welchii in 1. The only sample of ragi examined was declared unfit for human consumption. The two cases in which boric acid poisoning was detected referred to medico-legal cases and the poison was discovered in the viscera. A case of food poisoning resulting from eating buffalo meat on investigation showed presence of bacillus welchii. The poisons identified were estimated quantitatively.

Income.—The amount collected and remitted to the State Huzur Treasury, Bangalore, during the year was

Rs. 683-4-0.

# (b) Vaccine Institute.

# J. A. Iswara Murthi, B.A., L.M.S., B.S.Sc., Superintendent.

Mr. J. A. Iswara Murthy continued to be in charge of the Institute throughout the year. He was on privilege leave for a period of 19 days when Mr. S. Seshagiri Rao was in charge,

Lymph Produced.—The potency of the lymph produced continued to be good and the bacterial contents were in safe limits.

As in previous years Lanoline and Glycerine lymphs were prepared at the Institute. The quantity of lanoline lymph produced was 35,689 grains and of glycerine lymph 22,378 grains at a total cost of Rs. 20,983-5-7 which works out at 7 pies per case. The animals used for producing the material were cow calves that were purchased from an approved contractor at a cost of Rs. 9-15-5 per animal. Rabits were made use of for improving the seed virus. The number of buffalo calves used was 38.

The lymph produced was bacteriologically examined at the Institute and the results were confirmed by the Public Health Institute. The material produced was used in the Model Range for observation about the potency of the material, in addition to the animal tests done at the Institute, so that the material may be safely sent to the distant parts of the State.

Lanoline Lymph.—Of the full quantity of lanoline lymph produced material enough for 3,39,104 cases was issued to the Districts and Cities as follows:—

District or City.	Vaccine	Supplied in 1934.
Bangalore District	€ 0 ●	42,610
Chitaldrug District		26,155
Hassan District	, • • •	27,929
Kadur District	• • •	13,845
Kolar District	• • •	35,805
Mysore District	• • •	47,139
Shimoga District	• • •	28,606
Tumkur District		30,702
Bangalore City	• • •	41,235
Mysore City	• • •	11,620
Kolar Gold Field	• • •	26,830
Rural Health Unit, Mandya	• • •	4,330
Model Range	• • •	2,223
Out Stations	•••	75

Glycerine Lymph.—Enough for 50,315 cases was issued during the year. Of 8,969 vaccinations done for which results were reported 5,015 were primary and 3,954 revaccinations. The case success of primary vaccinations was 87 per cent as compared with 93 per cent with the lanoline lymph.

Results of Vaccination.—The success rate among the primary vaccinations done between January and June was 92 per cent, the same as in the corresponding months of the previous year. Between July and December the success rate was 94 per cent as against 92 per cent in the corresponding part of the previous year. Reporting of results continued to be defective.

Some cases of smallpox amongst the recently protected have been reported to have occurred. The question is being investigated.

Other Vaccines.—Anti-cholera vaccine was kept in stock at the Institute, as in previous years, on account of the facility available for such stocking.

Income and Expenditure.—As per Government Order the value of the lymph supplied to the Local Bodies was recovered in the shape of annul contributions amounting to Rs. 15,005-6-8. Actual supplies to the rest up to December 31, 1934 amounted to Rs. 4,024-4-6 and to outstations Rs. 8-8-0. The sale of done calves yielded Rs. 1,330. The outstandings at the close of the year for supplies made during the year were Rs. 4,324-1-4. The expenditure incurred including salaries, establishment, cost of calves and their feeding, etc., amounted to Rs. 20,983-5-7.

The majority of the District Boards and Municipal Councils have taken advantage of the annual contribution system. The District Boards of Kadur and Hassan and the Hassan Municipal Council continue to pay the cost of lymph on actual supplies made. The Mysore City Municipal Council on the other hand paid for actual supplies in the first half of the year and came under the contribution system in the latter part of the year.

General. The Institute requires structural alterations and some additional accommodation for better working of the Institute and a cold storage room at a temperature of 12°C, necessary for maintaining the potency of the lymph produced. The present storage is at a temperature of 12°C, and as such the material produced loses its potency to some extent.

The following is a summary of particulars referring to the Vaccine Institute as compared with the previous year.

			1	
	Particulars		1934	1933
	•			,
1.	Calves remaining on 1-1-1934	• • •	48	17
2.	Calves purchased	• • •	497	504
3.	Calves lent		• • •	1
4.	Buffalo calves	- • • •	41	46
5.	No. of calves that died	• • •	$\frac{12}{200}$	6
6.	No. of "Done" calves sold	• • •	532	513
<b>7.</b>	No. of calves returned to owner	er	• • •	1
8.	No. of calves remaining on 1-1-1935.		42	48
9.	Gross cost of calves	• • •	Rs. 4,946-10-0	Rs. 4,743-12-0
10.	Net cost of calves		,, 3,616-10-0	,, 3,466-4-0
11.	Average cost of calves	• • •	6-11-7	,, 6-4-8
12.	Calves vaccinated	• • •	496	486
_13.	Buffalo calves vaccinated	• • •	38	42
14.	Calves rejected	• • •	11 or 2.0 %	14 or 2.7 %
15.	Lymph produced	• • •	58,067 grains	58,581 grains
16.	Lymph preserved	• • •	22,378 ,,	24,761 ,,
17.	Average yield per calf	• • •	111 ,,	111 ,,
18.	Cost of feeding of calves	• • •	Rs. 1,270-0-6	Rs. 974·10·0
19.	Cost of feeding per calf	• • •	2-2-8	1-11-6
21.	Sale of calves Average sale price per calf	•••	,, 1,330-0-0 ,, 2-7-11	Rs. 1,282-8-0 2-8-0
	Lymph issued	• • •	3,39,029 cases	3,02,952 cases
	Issue in May and June (Hot	• • •	0,00,020 Cases	0,04,004 00368
	Weather).		Not curtailed	Not curtailed
- 24.	Lymph issued outside Mysore			
0=	State.		75 cases	3,655 cases
<b>25</b> .	Lymph discarded for defective	7e	00.004	04.00
26.	Populta parantal ant of mains		20,004 ,,	34,665 ,,
40.	Results reported out of primar cases done in the State.	У	EC 0/	44 %
27.	Average percentage success		56 %	44 /0
-	reported.		93 %	92 %
<b>2</b> 8.	Complications and sequalae		30 70	02 70
	reported.	. *	1	3
29.	No. of new kit boxes issued t	0		
	Vaccinators.		3	10
30.	Cost of lymph issued per case		13 pies	13 pies
31.	Candidates trained in vaccinat	ion	14	14
32.	No. granted certificates	• • •	12	12
33.	Pupil Compounders trained	• • •	18	16
34.	Midwives trained in vaccinatio	n	Nil	Nil
35.	Sanitary Inspectors		Nil	Nil
,				

#### BUREAU OF HEALTH EDUCATION.

E. Anantha Rao, B.Sc., M.B. B.S.

Superintendent.

The work of the Bureau consisted chiefly in arranging for cinema shows, doing propaganda by means of leaflets and posters and writing articles to the press.

Cinema Shows.—One hundred and twenty (120) cinema shows were organised in the following 62 places as compared with 102 in the previous year. Including school children and ladies approximately 75,000 persons witnessed the shows. In connection with the Health and Baby Week celebrations 38 shows were arranged in the Districts of Bangalore, Tumkur and Mysore. Six (6) shows given in Mysore City were exclusively for ladies. Under the auspices of the Education Week Celebrations in Bangalore City in August 1934 two shows were organised. At the annual Dasara Exhibition in Mysore City 10 shows were given.

# Names of places where Cinema Shows were held.

No.	Place (District)		Month		No. of shows held	Remarks
1 2 3	Attibele (Bangalore)  Bangalore City (Bangalore)  Bangalore Civil and Milita Station (Bangalore).		September February Do September	•••	2 17	5 Shows at Baby Week 2 Shows at the Education Week and exclusively for Ladies.  1 Show for Ladies only
4	Basaral Village (Mysore) Bethamangala (Kolar)	••	November  May  June	• • • •	1	Baby Show.
6	Bluff (Mysore) Chickbanavar (Bangalore)	•••	May August	• • •	1	
8	Closepet (Bangalore)  Devarayamudra (Kolar)	•••	May June	•••	1	Do
10	Dodballapur (Bangalore)	•••	February	•••	2	In connection with Rat destruction Campaign.

					No. of	
No.	Place (District)		Month		shows	$\operatorname{\mathbf{Remarks}}$
					held	
		/			[ 	
			٩			
11	French-Rocks (Mysore)	•••	May		2	Baby Show.
12	Gottigere Village (Bangalore	€	August	• • •	1	70
13	Gubbi (Tumkur)		November	• • •	1	$D_0$
14 15	Gunjoor Village (Bangalore) Hagadoor (Bangalore)		September Do	•••	1 1	
16	Hampapur (Mysore)	•••	December	•••	î	
17	Heggadadevankote (Mysore)		Do	• • •	1	
18	Hessarghatta (Bangalore)	• • •	August	•••	]	
19	Hongenahalli (Kolar)	• • •	June	• • •	1	To a
2 <b>0</b> 21	Honnavalli (Tumkur) Hoskote (Tumkur)	• • •	November Do	•••	1 1	$egin{array}{c} \mathbf{Do} \ \mathbf{Do} \end{array}$
22	Hunsur (Mysore)	•••	May	•••	î	Do
$\overline{23}$	Jakkoor (Bangalore)	•••	November	• • •	1	
24	Kadugodi (Bangalore)	• • •	March	***	3	
25	Kengeri do	• • •	August	•••	1	Todioganla
26 27	Kolar (Kolar) Koppa Village (Bangalore)	•••	June August	• • •	$\frac{2}{1}$	Ladies only.
28	Koratagere (Tumkur)	•••	November	•••	1	Baby Show.
29	Krishnarajnagar (Mysore)	•••	May	•••	1	3
<b>3</b> 0	Krishnarajapuram (Bangalo	re)	September	••	1	
31	Kunigal (Tumkur)	•••	November	• • •	1	Do
32 33	Lakkoor (Kolar) Malvalli (Mysore)	• • •	June May	•••	1	Do
34	Malur (Kolar)	•••	April	• • •	1	In connection with the
						Village Panchayet
						Conference.
35	Mandya (Mysore)		May		5	2 Shows at Baby Week.
99	mandya (Mysore)	•••	October	•••	U	2 Shows at Daby Week.
36	Masti (Kolar)	•••	June	•••	1	
37	Mercara (Coorg)	• • •	March	•••	1	Baby Show.
38	Midigesi (Tumkur)	• • •	November	• •	1	Do
39 <b>40</b>	Mulbagal (Kolar) Mysore City (Mysore)	•••	June	•••	$\begin{array}{c c} 1 \\ 26 \end{array}$	5 of Roby Wook
40	mysore Only (mysore)	• • •	March   April	• • •	20	5 at Baby Week, 3 shows exclusively
			June	•••		for Ladies.
			October	• • •		
			December	·•••		
41	Nagamangala do	•••	May	•••	1	Baby Show.
42	Nagavara (Bangalore)	•••	September	•••	î	Duby Show.
43	Naguvinahalli (Mysore)	• • •	October	•••	2	
4.4	NI 3: (IZ - 1. )		December	•••		
4 <b>4</b> 4 <b>5</b>	Nandi (Kolar)   Nangali do	•••	June Do	•••	1 1	
46	Nanjangud (Mysore)	•••	May	••	1	Do
47	Narasapur (Kolar)	•••	June	•••	î	1
<b>4</b> 8	Nelamangala (Bangalore)	•••	February	•••	2	1 at Baby Show.
			May	•••		
49	Nisane (Mysore)		December		1	
50	Pavagada (Tumkur)	• • •	November	• • •	$\frac{1}{2}$	Baby Show.
51	Periyapatna (Mysore)	•••	March	•••	1	
52 52	Royalpad (Kolar)	• •	June	•••	1	
$\begin{array}{c} 53 \\ 54 \end{array}$	Sarjapur (Bangalore)   Srinivaspur (Kolar)	• • •	September	•••	1	
55 55	Sulibele (Bangalore)	•••	June   April	••	1 1	
56	Talaghattapura do	• • •	August	• • •	1	***
57	Tiptur (Tumkur)	•••	November	•••	1	Baby Week.
58	Tumkur do	• • •	April		3	Baby Show.
			December	•••	,	
59	Vakkaleri (Kolar)	•••	June		1	
60	Varthur (Bangalore)	•••	September	•••		
61 <b>6</b> 2	Vasanthapura do	•••	February	•••	1	Jatra.
02	Vemagal (Kolar)	•••	June	•••	1	
-			1		J	

A film relating to the Dasara Procession, Mysore, was graciously presented by His Highness the Maharaja of Mysore to the Department. For purposes of demonstration the Department has now got 14 films on the following subjects:--

	Title of Film.		o. of Reels
	•	( $rac{arepsilon}{arepsilon}$	$35 m \cdot m.)$
1.	Malaria		3
$\overline{2}$ .	Un-Hooking the Hookworm		1
3.	Fly as a Disease Carrier		1
4.	The Rat Menace	• • •	1
5.	The Knowing Gnome (Child Hygiene)	3 0 0 5 0° 0 3 3	1
6.	The Long Vs. Short Haul (Mothers'	Milk	н
	is Best for Baby)	• • •	1
7.	In His Father's Foot-Steps (Typho	id—	
	Farm Sanitation)	• • •	1
8.	Jinks (Personal Hygiene)	• • •	1
9.	How Disease is spread (Tuberculosis)	• • •	1 .
10.	How to Prevent Disease		1
	(a) Vaccination Against Smallpox.		
	(b) Anti-Diphtheric Inoculation		
	(c) Water Tidiness.		
11.	One Scar or Many (Smallpox)—		1
12.	Venereal Diseases (For Men)	• • •	3
13.	Social Hygiene For Women	• • •	2
14.	Leprosy (Under preparation)	• • •	•••

The Local Bodies and the local officers have uniformly given help in making the shows a success. Not-withstanding the fact that the films represent conditions obtaining in western countries the audience appreciate them as the Publicity Officer explains the events in an interesting way in Kanarese.

Early in the year a new Dodge Motor Van of 1½ ton weight was purchased at a cost of Rs. 3,100 in addition to exchange of two motor vehicles viz., an old Ford Van and a Sedan car that were in use in the Department. The Van travelled a distance of 5,8146 miles carrying the cinema equipment and the lecturing staff.

Propaganda.—Forty-seven (47) articles on health subjects, written in English and Kanarese were sent to the local newspapers for publication. The subjects dealt with were: Malaria, Smallpox, Plague, Meningitis, Cholera, Tuberculosis, House-fly, Rats, Water, Filth Diseases, Mosquitæs, Maternal Mortality, Maternity and Child Welfare, etc.

The number of posters and leaflets distributed during the year were:—

(a) Posters on Plague, Smallpox, Soil-Pollution,<br/>Bore-hole Latrines...14,978Leafletsdo...1,65,006(b) Posters on Malaria, Filth Diseases, Water and<br/>Fly......21,587Leafletsdo...2,85,852(c) Picture Pamphlets on Hookworm...12,034

During the year 11 health talks were given in Boys'

and Girls' Primary and Middle Schools.

Four issues of the "Mysore Arogya" were printed and distributed in English and Kanarese. About 15,000

copies were distributed.

Health Exhibitions.—A Health and Sanitation stall was put up at the annual Dasara Exhibition in Mysore City. Similar exhibitions on a smaller scale were organised in connection with the Village Panchayet Conference at Malur, Education Week in Bangalore City and Health and Baby Week in Tiptur, Tumkur and Bangalore city.

#### BUREAU OF SANITARY ENGINEERING.

B. R. GARUDACHAR, B.A., C.E., M.I.M., and Cy.E., M.R. San. I.

# Sanitary Engineer.

The water supplies were inspected and supervised by Mr. M. L. Narasimba Iyengar. The drainage works and the well-boring section were looked after by Mr. K. S. Hutcha Rao. Mr. E. B. Chinnappa was in charge of all surveys, town planning and bore-hole latrines, whilst Mr. Syed Ahmed Husain looked after the maintenance and construction of sanitary fittings.

# Water Supply.

Works under Maintenance.—(1) Vani Vilas Water Works, Mysore, (2) Kolar Gold Field Water Works, Bethmangala, (3) Shimoga, (4) Malur, (5) Kolar, (6) Dodballapur, (7) Madhugiri, (8) Channapatna, (9) French-Rocks, (10) Seringapatam and (11) Hosadurga.

Works Completed.—(1) Arsikere II Stage, (2) Ghati Subramanya, (3) French-Rocks, (4) Seringapatam, (5)

Channapatna, (6) Hosadurga, (7) Turuvanur, (8) Hassan Hospital Water supply, (9) Chintamani II Stage, (10) Malur, (11) Dodballapur, (12) Tiptur, and (13) Kyamenahalli.

Improvements Effected.—(1) Hassan, (2) Arsikere, (3) Tumkur, (4) Harihar, (5) Mudgere, (6) Kolar, (7)

Mysore and (8) Tiptur.

Works under Progress.—(1) Whitefield, (2) Hole-Narsipur, (3) Konanur, (4) Dodballapur II Stage, (5) Kolar (distribution) and (6) Chickmaglur (tank work).

Temporary Water-supply at Jatras.—(1) Thorana-

halli, (2) Yediyur, (3) Nandi and (4) Viduraswatha.

Estimates pending Sanction.—(1) Kunigal, (2) Closepet, (3) Devanhalli, (4) Chitaldrug, (5) Davangere,

(6) Turuvanur II Stage and (7) Channagiri.

Collection of Water Samples.—Two hundred and forty-four (244) samples of water were collected from public water-supplies for bacteriological examination.

#### Drainage.

Works Completed.—(1) Bangalore sub-main No. 2 (Balepet) Street Sewers, (2) Goribidnur I Stage, (3) Kalasa and (4) Soap Factory.

Works under Execution.—(1) Arsikere, (2) Tarikere

and (3) Chamarajnagar.

Estimates Sanctioned.—(1) Main drain, Bangalore

City and (2) Tumkur.

Estimates pending Sanction.—(1) Basavangudi (Eastern Park), (2) Goribidnur II Stage, (3) Gundlupet, (4) Closepet and (5) Raiyats Block.

# Sanitary Fittings.

Maintenance.—The usual maintenance works for the sanitary fittings in all Government buildings were attended to

Works Completed Bangalore City.—(1) Vani Vilas Hospital, (2) Sir K. P. Puttanna Chetty Town Hall, (3) Girl Guide Union, (4) Cubbon Park Tiffin Pooms, (5) Sanskrit College, (6) Central Police Station, (7) Engineering College, (8) Intermediate College, (9) Magistrates' Court, (10) Sir K. P. Puttanna Chetty Out-patient Dispensary (Dentist's Room), (11) Union Building and (12) Central College Hostel.

Mysore City. - (1) Government House, (2) Railway Station, (3) Krishnarajendra Hospital, (4) "Lake View", (5) Staff Quarters, (6) Intermediate College, (7) Vice-Chancellor's Quarters, (8) Exhibition Buildings and (9) Modern Hotel.

Repairs and Improvements Bangalore City.—(1)

Victoria Hospital and (2), Public Offices.

Mysore City. -(1) Government House and (2)

Krishnarajendra Hospital.

Works under Execution—Bangalore City.—(1) Vani Vilas Hospital, (2) Children's Hospital, (3) Town Hall, (4) District Office, (5) New Tiffin Rooms and (6) Lancers' Hospital.

Mysore City.—(1) Marimallappa's High School, (2) Railway Station Waiting Rooms, (3) University Offices, (4) Library, (5) Krishnarajendra Hospital and (6) Medical

College.

# Estimates pending sanction.—

	Particulars.	Amount in Rupees.
1.	For providing flushing closets and sewage disposal arrangements for the servants latrine at Carlton House, Bangalore	1,000
2.	For constructing flushing latrine for the combined Police Station at Cenotoph Road Square, Bangalore	1,420
3.	Modified estimate for providing sanitary fittings in the bath room of Central Industrial Workshop, Bangalore	600
4.	Providing sanitary fittings for the 1st floor over Srinivasaiyya Radiological Block at the Victoria Hospital, Bangalore	1, <b>7</b> 30
5.		1,745
6.		3,156
7.	The probable cost of providing flushing latrine for servants in the Training College, Mysore	1,280
8.		2,416
9.	For providing sanitary fittings in the New Lavatory Room attached to Sir K. P. Puttanna Chetty Out-patient dispensary, Victoria Hos-	
	pital, Bangalore	996

	Particulars.	Amount in Rupees.
10.	For providing sanitary fittings and drainage arrangements in the Chamarajendra Technical Institute buildings occupied by the Medical College, Mysore	1,380
11.	For providing sanitary fittings and drainage arrangements to the New Municipal Office, Bangalore	4,245
12.	For providing sanitary fittings in the Children's Wards bath rooms attached to the Maternity Hospital, Bangalore	8,000
13.	For connecting waste water of the Central College Laboratory, Bangalore	765
14.	For providing sanitary fittings to the District Medical Officer's Quarters converted to Special Ward at Sri Krishnarajenda Hospital, Mysore	965
15.	For providing sanitary fittings in the Turf Room, east ground floor for staff at the Maharaja's College, Mysore	2,225
	Total Rs	31,923

#### Surveys.

Surveys Completed.—(1) Kolar Town, (2) Arkalgud, (3) Hoskote village (Tumkur District); (4) Sarjapur, (5) Tumkur Market Square for improvements, and (6) Gulur.

#### Town-planning.

Improvement Plans sent to Municipalities.—(1) Proposed sites on Fort Maidan, Dodballapur, (2) Re-modified plan of Mandya Town, (3) Road junctions at Seringapatam, (4) Modified improvements at the junction of Market Square, Tumkur Town, (5) Type designs of shops, Fort Gate—Rampart Wall, Madhugiri, (6) Opposite to burial ground Gundlupet, (7) Slaughter house, Channapatna and (8) Davangere.

Improvement Plans Completed.—(1) Tumkur, (2)

Sarjapur, and (3) Arkalgud.

Improvement Plans under Preparation.—(1) New extension of Bhadravati, (2) Sira Circle, and (3) Oval at Madhugiri.

#### Bore-hole Latrines.

Sixty (60) bore-hole latrines were successfully bored during the year. These are in use.

#### BUREAU OF RURAL HEALTH.

(Rural Health Unit, Mandya.)

C. RAGHUNATHA RAO, L.M.P.,

Superintendent.

Mr. T. Chandrasekharaiya was in charge of the Unit up to August 13, 1934, when he handed over charge to Mr. C. Raghunatha Rao.

#### Propaganda.

The area of the Unit is 197 square miles with a population of 82,580. In the villages of this Unit the Health Inspectors were asked to take up a certain number of schools, each in his jurisdiction, for giving health talks on a routine programme. Public opinion was apparently in favour of this type of health work.

# Control of Epidemic Diseases.

Smallpox.—The incidence of smallpox was reported from 24 villages during the year. An intensive vaccination campaign was undertaken in the affected villages, of which some are situated outside the Unit area. A total of 5,501 vaccinations were performed as compared with

5,565 in the previous year.

Plague.—Plague prevailed in the Unit area for nine months in the year, April, June and July being free. Twenty-two villages reported cases and necessary preventive measures such as, evacuation, preventive inoculation, etc., were promptly undertaken. A total of 6,333 antiplague inoculations were done. The figures show that plague apparently reaches its peak incidence twice a year, in December-January and June-September, respectively.

# Malaria.

In order to provide immediate relief Government approved of the free distribution of quinine in the affected villages of the Irwin Canal Zone. The special malaria staff, which started work in December 1932, continued till the close of the year. Nine Quinine Distributors and two Assistant Inspectors visited the 113 affected villages once a week. Quinine packets were distributed from house to house in these villages.

The Unit made a systematic study of spleen rates in the three villages Doddabyadarahalli, Node Koppal and Gejjalgere. A spleen survey of 45 villages was also made and it was found that the spleen rate in Mandya Town was much less than in the neighbouring villages.

#### Health and Baby Shows.

The Unit organised Health Exhibitions and Baby Shows at Mandya and Basral. Entry for the Mysore Vani Vilas Shield Competition was registered.

#### Maternity and Child-Welfare Work.

The work done by the two midwives of the Unit may be shown as follows:—

Particulars.		Number.
Pre-labour Visits	2 0 0	2,140
Post-labour Visits	•••	795
Miscellaneous	• • •	35
Labour Cases Conducted		85

#### Laboratory.

The Unit laboratory made the following (148) examinations:—

	Particulars.	No.	examined.
1.	Blood smears for malaria	• • •	47
2.	Urine for albumin and sugar	• • •	22
3.	Fæces for worms	• • •	23
4.	Spleen smears from dead rats for bacillus	pestis	30
5.	Urethral smears for gonococci	• • •	5
6.	Sputum for T. B. bacilli	• • •	2
7.	Motion for dysentery bacilli		3
8.	Nasal smear	• • •	1
9.	Blood for Wassermann reaction		14
10.	Blood for Widal reaction		1

#### BUREAU OF EPIDEMIOLOGY.

B. Anantaswamy Rao, B.Sc., M.B. B.S., M.P.H., Superintendent.

#### (a) Malaria Control Work.

Paris Green.—Paris green was continued to be used with good results in the areas under malaria control. A one per cent mixture of paris green with road dust and

ash was generally used, except for the Vedavathi river bed in Hiriyur Town, where the appearance of a dense growth of weeds necessitated the use of a five per cent mixture.

A sample of paris green prepared locally at the Government Industrial and Chemical Laboratories was tested and found to be quite satisfactory. Laboratory experiments in the larvicidal properties of Munulea Suberosa, an indigenous plant, growing wild in all parts of the State were made, the powdered stem and root bark being used. It was found that under laboratory conditions, the powder was lethal both to culex and anopheline larvæ but had no effect on the pupæ. It was also found that the powder was almost immediately lethal to tadpoles and fish. Further field trials are necessary before its usefulness can be determined.

Larvicidal Fish.—Gambusia (larvicidal fish) was chiefly used for controlling A. stephensi in wells in the Cities of Bangalore and Mysore. It was noticed during the year that in a small percentage of wells, A. stephensi continued to breed in spite of the presence of fish and

these wells are being paris greened in addition.

Two attempts made during the year to rear the larvicidal fish in the fan shaped expansions along the main Irwin Canal to serve as hatcheries were without success. The possibility of impounding the fish in the main canal by the construction of net-work arrangements along the course of the canal at regular intervals is being investigated. All the tanks, wells, ponds and step-wells in the Irwin Canal area were stocked with gambusia

and they have thrived well in most of these.

Ateorin.—The curative and prophylactic value of atebrin was investigated during the year at the Government Agricultural Farm, Babbur. The entire population of the Farm inclusive of the staff were given two complete courses of atebrin treatment with an interval of six months. The spleen and blood examination of every one in the farm was made, both before and after the completion of each course of treatment. A prophylactic dose of the drug is being administered to the same population once a week. As a curative, atebrin was found to be very satisfactory and no toxic effects were noticed. The value of the drug as a prophylactic, however, is being investigated.

Plasmoquine.—The quarterly spleen and blood examinations in Marikanve were made although the

plasmoquine distribution was stopped in August 1932. Examinations made in 1934 gave a spleen rate of 50.9 and a parasite rate of 29.3 as against 84.5 and 50.3 in

1929, and 46.7 and 12.7 in 1932, respectively.

Quinine Distribution.—The special staff sanctioned in G. O. No. G. 3325-6—P. H. 61-32-2, dated November 10, 1932, for distribution of quinine in the villages heavily affected with malaria in the Irwin Canal Zone worked during the year, and 55,758 sick persons in 113 affected villages received quinine treatment. The amount of quinine so distributed was 205.7 lbs. Mr. M. Ramachandra Rao was the Officer-in-charge of this work.

A spleen survey of 57 villages under the Irwin Canal, both within and outside the quinine distribution area, was made in order to estimate the effect of quinine on the incidence of malaria in these villages. It was inferred that (a) beyond giving immediate relief, quinine had not helped to reduce the incidence of malaria, (b) the disease was becoming endemic, and (c) the disease was spreading gradually to villages that were newly

brought under irrigation.

The Krishnarajasagara Working Committee at a meeting held at Mandya on May 30, 1934 "resolved that these investigations might be further persued and that in the meantime, the Director of Health may select 10 villages for malaria control at a total cost of Rs. 8,000 exclusive of the cost of buildings, etc. As an experimental measure, malaria control by paris green be tried in 10 of the worst affected villages." Detailed proposals for starting work in the following 10 villages.—

Jigundipatna
Malligere
Kodihalli
Chickmandya
Gopalapura

Satnur Honganahalli Hulivana Komerhalli Panakanahalli

were under the consideration of Government at the close

of the year.

Dissections.—Dissections of anopheline mosquitoes caught from houses and cattle sheds, as also from a special tent with a human bait, were done at Marikanve, 12 miles from Hiriyur. A total of 544 anophelines were caught, of which only 50 were from the tent. Only one gland infection and 19 gut infections were found among the house and cattle shed collections, while all those collected from the tent were free from infection.

Surveys.—Special malaria surveys were made of the villages under the Nidasala tank and Borankanve Reservoir in the Tumkur District. In addition to carrying out permanent measures to minimise anopheline breeding, it. was recommended that adequate quantities of quinine should be made available free to the villagers. question of distributing weekly doses of plasmoquine as a prophylactic measure was suggested as finances became available.

The malaria survey of Mandya Town showed that, though at the time of the survey the incidence of malaria was not serious, certain factors necessary for a sudden outbreak at any time existed. Advance control measures to prevent such a possible future outbreak were recommended.

Government Order No. G. 5275-9—P. H. 107-32-6,

The Range Engineer, Anjanapur

Range, (Convener).
The Revenue Sub-Division Officer, 2. Shimoga.

3.

The Amildar, Shikarpur.
The Deputy Director of Agricul-4.

The District Health Officer. The Superintendent, Bureau of Epidemiology.

dated January 26, 1934, sanctioned the constitution of a Sub-Committee consisting of the marginally noted members, on the recommendation of the main Committee to work out the details as to cost of the several proposals for the con-

trol of malaria in the Anjanapur Zone in the Shimoga The Sub-Committee met twice during the year and submitted its final report which was discussed by the Committee at a meeting held at Anjanapur on November 28, 1934. The resolutions passed by the Committee were submitted to Government for orders.

Research Papers.—During the year three newpapers were written in continuation of the series on "Notes on Malaria in Mysore State." These were published in the Records of the Malaria Survey of India:—

Part The Control of Anopheline Breeding in Bangalore City and its cost in Mysore State. - W. C. Sweet and B. A. Rao.

Part VI. Hæmoglobin and Malaria—W. C. Sweet.

Part VII. Anopheline Transmitters of Malaria—D. The Nursingh, B. A. Rao and W. C. Sweet.

#### Control in Cities

Anti-malaria work in the two Cities of Mysore and Bangalore was continued during the year. In Mysore City, the area under control was extended to include the Tuberculosis Sanatorium and the garden land on the approach to Mysore from Bangalore. Paris green and gambusia were continued to be used as the larvicides.

The annual spleen and blood examinations were made. Examination of 1,525 children in Mysore City gave a spleen rate of 5.7, the rates in the previous years being: 7.5 in 1927, 11.7 in 1930, 3.9 in 1932; and 6.3 in 1933. In Bangalore City 2,029 children examined from all the Divisions gave a spleen rate of 1.4, and the previous yearly spleen rates were: 23.2 in 1927, 11.5 in 1928, 8.7 in 1929, 6.2 in 1930, 0.6 in 1931, 0.7 in 1932, and 1.2 in 1933.

#### Nagenhalli Malaria Station.

Owing to the reduction in the control zone to onequarter mile, the number of anophelines was slightly increased in the village and Farm but it was decided to continue this reduced control zone for a further period of one year to study its effect on the incidence of malaria. This reduction of the control area caused a marked increase in the density of anophelines in the peripheral zones, as this eliminated the partial control for the peripheral villages.

An automatic Paris green distributor for running water in channels, designed by Dr. Paul F. Russell, was installed and observations are being made on its

utility.

As a preliminary to starting malaria control work in the villages of the Mandya area, the control measures with Paris green using only one fieldman was started at Nagoonhalli, two miles from Nagenhalli across the Virijanadi nala. A malaria survey of the village was made and the quarter mile zone was fixed. A trained fieldman from the Nagenhalli Station was deputed for Parisgreening the area. His work was checked by an Assistant Sanitary Inspector on three days in the week. The result has been quite satisfactory and will be thoroughly tested when the Mandya scheme is put into operation.

The pre-control spleen and parasite rates in Nagenhalli were 83.9 and 37.5, whilst the 1934 rates were 35.5 and 4.8, respectively. In the three peripheral villages, the spleen and parasite rates in 1934 wers 65.5 and 23.4 as

compared with 68.8 and 14.4 in 1933.

#### Mudgere Malaria Station.

The spleen and parasite rates for the pre-control year 1929 were 78.6 and 31.0, the corresponding figures for 1934 being 25.2 and 6.2, respectively. The peripheral villages gave a spleen rate of 83.1 and a parasite rate of 12.7 in 1932 as compared with 72.0 and 16.0 in 1934.

#### Hiriyur Malaria Station.

In this station anti-larval work was started in April 1931. During the year, however, due to an outbreak of plague, the whole town was evacuated and as the people camped out irregularly in the adjoining fields, it was not possible to extend the area under control sufficiently to protect them from Malaria during the period.

The pre-control spleen and parasite rates were 57.3 and 47.9 in 1930, the 1934 rates being 36.4 and 16.9. The two peripheral villages had rates of 45.0 and 27.3, respectively.

tively, as against 40.0 and 25.4 in 1933.

#### (b) Hookworm Campaign.

Dispensaries in the Districts of Hassan, Kadur, Shimoga and part of Mysore, where the specific treatment for hookworm had been previously demonstrated, were asked to continue the treatment and send in monthly reports of work done. The statistics furnished are given below:—

		Dis- ies sent orts		Number of	Hookworm c	ases treated	
District		No. of pensarie that se in repor	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Hassan Kadur Mysore Shimoga	• • •	17 28 15 5	392 2,107 392 240	600 <b>2</b> ,900 777 283	628 2,679 613 322	826 2,38 <b>5</b> 434 328	2,446 10,071 2,216 1,178
Total	•••	65	3,131	4,565	4,242	3,973	15,911

# (c) Guinea-worm Control in Chitaldrug District.

V. Narasimhamurthy, B.Sc., M.B., B.S., D.P.H., D.T.M., Officer-in-Charge.

Guinea-worm investigation in Chitaldrug District, sanctioned in G. O. No. 4059-61—P. H. 59-32-2, dated

December 13, 1933 was started early in February 1934

and continued for a period of five months.

Field Work.—The 48 guinea-worm infected villages where heavy infection was reported were visited. In 28 of these villages the step-wells were found to be prolific breeding centres of the cyclops. These wells were first treated with perchloron and then subsequently stocked with a species of fish found to be useful in guinea-worm control. The idea is to see how far this measure would bring down the number of cyclops in the wells and what effect this would have on the intensity of guinea-worm infection in the villages. Kelagote, a village near Chitaldrug Town, where this measure of control was tried three years ago is practically completely free from infection for the last two years. The density of cyclops in the step-well in this village has also been perceptibly reduced.

Epidemiological data were collected from 13 infected villages. Cyclops, diaptomas, algæ and fish were collected from 60 step-wells for scientific study. Some of these specimens were forwarded to the specialists for

identification.

Fish Nurseries.—Local nurseries for this species of fish were formed in the following taluk headquarter towns.

1. Chitaldrug Town—(a) Gadang Bhavy.

(b) Kesavadevaragudi Step-well.

- (c) Step-well, near the Civil Hospital.
- (d) Mr. Ananthaiah Setty's Garden well.
- 2. Molakalmuru Town—Step-wells in a Forest Nursery.
- 3. Jagalur Town —Mr. Revanna's step-well and Choultry well.
- 4. Hosdurga Town —Step-well close to the Travellers' Bungalow.

A nursery for the fish was formed in Bangalore City to study the breeding and feeding habits of these fish under certain aquarium conditions. It was found that the breeding season of the fish is about the beginning of April, a period approximately coinciding with commencement of guinea-worm season, viz., February to May. The question whether this is true also under natural conditions is under investigation.

Field and laboratory observations were made to find out how far the gambusia fish used in mosquito control

work were useful in this work as well.

Patients Treated.—Five hundred patients suffering

from guinea-worm infection were treated.

Laboratory Work.—Certain species of local fish in Chitaldrug Town were found to feed on cyclops and guinea-worm embryos under laboratory conditions. These fish feed also on nematode larvæ under natural conditions. One of these is a bottom feeder and feeds on the eggs and the ova possibly of cyclops and other crustacea buried in the mud.

Experiments on dogs were conducted to see if guineaworm infection could be induced in them under certain laboratory conditions. One of the dogs fed with cyclops infected with guinea-worm embryos, developed a tumour under the skin, which on operation was found to contain a small nematode worm. The nature of this worm and the possible mode of infection of dog with this parasite is under investigation.

Experiments were conducted to study different developmental stages of the guinea-worm embryos in the body of cyclops. The effect of fresh bile (human, sheep's and goat's) on guinea-worm infected cyclops was tried and the results of the experiments were embodied in a paper published in the Indian Medical Gazette, Volume LXX,

No. 1, 1935.

# (d) Control of Epidemic Diseases.

Vaccination against Smallpox.—During the year 3,17,073 vaccinations were performed as compared with 2,66,165 in the previous year. Of these, 3,08,256 were done by District Board and Municipal Vaccinators and

8,817 by Medical Subordinates.

By Medical Subordinates.—Of 8,817 vaccinations performed by the medical subordinates, 5,429 were primary and 3,388 re-vaccinations. Of the primary vaccinations, 86.7 per cent were successful. The highest percentage of 98.4 was reported in Tumkur District and the lowest, viz., 62.4 in Hassan District. The rates in the other Districts were: Kolar (93.0), Mysore (93.0), Kadur (92.8), Shimoga (85.8), Bangalore (84.8) and Chitaldrug (73.9).

Of the re-vaccinations 56.6 per cent were reported successful. The rates in the Districts varied as follows: Hassan (97.2), Chitaldrug (74.0), Shimoga (74.0), Kadur (72.4), Kolar (50.1), Bangalore (48.4), Mysore (43.6) and

Tumkur (28.4).

# EPIDEMIOLOGY

			Success-Rate	15	48.4 74.0 97.2 50.4 43.6 74.0 28.4 56.6	
	Re-vaccinations		Successful Eximages Unknown	14	206 383 350 50 159 240 172	
	le-vacc		Unsuccessful	03	125 125 10 10 151 99 84 432 920	
	H		Опкномп	12	69 120 17 246 71 71 352	
			[stoT	11	492 578 877 74 839 483 370 675	
1934.			Success Rate excluding nwonafun	10	84.8 78.9 622.4 92.8 93.0 93.0 85.8 98-4	
le year		ssful	Total of all asses	6	918 560 161 182 600 967 375 561	
es in th	nations	Successful	Uver I and under 6 years	œ	302 459 52 92 92 141 316	,
ubordinates in the year	ry Vacci		Under one	-	418 189 55 90  458 234 101	
	Primary and Secondary Vaccinations		Unsuccessful	9	82 15 14 45  62 62	
one by the	Primar		пмопяп	5	35 193 10 1 42 37 62 65	
Vaccinations done by the Medical S			IstoT.	4	1,117 950 268 197 687 1,076 499 63 <b>5</b>	
V	anoia	).saioo.	Number of Va	ങ	1,609 1, <b>6</b> 28 645 271 1,026 1,559 869 1,310	
	કુતાંગ.	доие Верок	Dispensaries anoitanios V	2	16 19 37 26 20 32 15 15	
			District	1	Bangalore Chitaldrug Hassan Kadur Kolar Mysore Tumkur Total (Mysore State).	

By District Boards and Municipalities.—The District Board and Municipal Vaccinators did 3,08,256 vaccinations during the year, of which 1,91,567 were primary and 1,16,689 re-vaccinations.

In Bangalore City out of a total of 57,835 vaccinations performed 6,574 were primary and 51,261 re-vaccinations. In Mysore City the total number of vaccinations done was 11,871 (6,656 primary and 5,215 re-vaccinations). A total of 28,598 vaccinations were performed in Kolar Gold Field, of which 4,668 were primary and 23,930 re-vaccinations.

The total number of Vaccinators employed during the year was 184. The Vaccinators did, on the average, 1,675 vaccinations each as against 1,553 in the previous year. This average varied in the Districts as follows: Bangalore (2,894), Kolar (1,792), Mysore (1,600), Tumkur (1,382), Hassan (1,255), Chitaldrug (1,254), Shimoga (1,144) and Kadur (902). The Vaccinators employed in the Cities of Bangalore, Mysore and Kolar Gold Field did on an average 5,784, and 1,319 and 4,766 vaccinations each respectively.

The following statistical statement gives particulars of vaccinations performed in the Districts and Cities

# Statistics of Primary and Re-vaccinations done in the Districts and Cities of the Mysore State in the year 1934.

District		Estimated Population as on July 1, 1934		ber Vaccin	ated Female	Average No. of Vaccina- tors employed during the year 1934	Average No. of Vaccinations
1		2	3	4	5	6	7
Bangalore Chitaldrug Hassan Kadur Kolar Mysore Shimoga Tumkur  Total (Mysore S Bangalore City Mysore City Kolar Gold Fie	•••	11,38,719 6,84,258 6,01,299 3, <b>5</b> 2,478 8,68,992 15,47,359 5,29,206 8,91,076 66,12,486 1,90,440 1,14,937 84,237	95,496 17,658 22,595 13,526 57,352 51,205 22,875 27,649 3,08,256 57,835 11,871 28,598	58,687 9,982 12,716 7,601 28,448 29,107 13,442 15,349 	36,809 7,576 9,879 5,925 28,904 22,098 9,433 12,300 1,32,924 21,046 4,923 14,413	33 14 18 15 32 32 20 20 20 184 	2,894 1,254 1,255 902 1,792 1,600 1,144 1,382 1,675 5,784 1,319 4,766

Statistics of Re-vaccination-concld.

1				Prima	ry Vac	cinatio	ns		
District					Success	ful		Success cent exc unkn	luding
District	Total	kno	wn J	Under one year	Over o and un 6 year	der	Cotal of ages	1934	193 <b>3</b>
	8		9	10	11		12	13	14
Bangalore Chitaldrug Hassan Kadur Kolar Mysore Shimoga Tumkur	35,89 15,66 19,84 10,47 22,10 42,77 20,63 24,16	7. 85 55 88 1, 66 1, 88 1, 1, 1,	556 963 717 113 746 1130 563	12,119 2,826 2,456 1,3 <b>5</b> 3 8,956 12,137 2,284 5,317	17,4 8,8 11,2 4,8 9,3 21,3 10,7 13,2	65 98 83 32 25 09	31,562 13,739 17,196 8,997 18,498 38,137 17,896 21,347	93·9 91·0 91·1 92·2 88·1 92·9 91·7 94·5	85:3 85:7 66:6 80:4 88:3 87:0 80:0 86:3
Total (Mysore State)  Bangalore City  Mysore City  Kolar Gold Field	191,56 6,57 6,65 4,66	4 6	186 539 180	3,436 3,377 2,894	97,1 1,7 2,0 9	71	70,389 5,522 5, <b>5</b> 45 4,075	93·9 90·7 90·6 90·8	83·4 85·7 81·2 85·5
District	Total	own	ssful	per ce	ess Ratent excl	ud-	ul Vac		
		Unkn	Succes	1934	198	3   E	cessfr	1934	1933
	15	16	17	18		19 .	20	21	22
Bangalore Chitaldrug Hassan Kadur Kolar Mysore Shimoga Tumkur	<b>5</b> 9,602 1,891 2,750 3,051 35,244 8,429 2,237 3,485	50,089 71 202 612 1,658 612 193 361	4,258 455 1,199 884 14,588 1,315 400 891	25 47 36 43	$egin{array}{c c} 0 & 2 \\ 1 & 2 \\ 2 & 3 \\ 4 & 4 \\ 8 & 6 & 3 \\ \end{array}$	9· <b>5</b> 8·0 5·8 4·6 8·1 8:5 1·7 4·0	35,820 14,194 18,395 9,881 36,100 39,452 18,296 22,238	31·46 20·74 30·59 28·03 41·59 25·50 34·57 24·96	24·95 15·98 22·91 24·12 37·26 24·99 28·11 20·62
Total (Mysore State)  Bangalore City  Mysore City	116,689 51,261 5,215	53,798 		-	0 1	$\begin{vmatrix} 3 \cdot 4 & 1 \\ - & - \\ 2 \cdot 1 & 4 \cdot 6 \end{vmatrix}$	$\frac{194,376}{7,453}\\6,495$		25·09 40·57 54·06

Success Rate.—During the year 93.9 per cent of the primary vaccinations were reported successful as compared with 83.4 in the previous year. The rates in the Districts and Cities ranged between 90 and 100 except in Kolar District where the rate was 88.1.

On an average 38.1 per cent of the re-vaccinations were reported successful as compared with 23.4 in the

previous year. The rates in the Districts were: Hassan (47.1), Bangalore (44.8), Kolar (43.4), Kadur (36.2), Tumkur (28.5), Chitaldrug (25.0), Shimoga (19.6) and Mysore (16.8).

During the year 29.40 persons for every thousand of the population were successfully vaccinated, as against 25.09 in the previous year. The largest rate was reported in Kolar District (41.59) and the smallest in Chitaldrug District (20.74). In Bangalore City it was 39.14, in Mysore City (56.51), whilst in Kolar Gold Field it was 192.31.

Cost of Vaccination.—The cost of the vaccination establishment amounted to Rs. 66,372-9-8 during the year as compared with Rs. 66,349-13-11 in the previous year. The cost per vaccination was Rs. 0-3-5 and per successful vaccination Rs. 0-5-5 as against Rs. 0-4-2 and Rs. 0-6-5 respectively in the previous year. The cost incurred in each District and City is detailed below:—

Cost of Vaccination Establishment in Mysore State in the year 1934.

		nad	rement	a. p.	•	•	7 2	0 8	•	:	12 0	•	11 2		:	•	
		Malnad	Improvement	Rs.	•		1,567	1,751	•	•	3,257	•	6,576		•	:	
	from	pality		а, р.	0 6	:	•		0 0	0 8	•	•	1 0	0 6	0 8	0 0	
	Paid from	Municipality		Rs.	1,265	÷	•		332	1,721	:	:	3,319	1,265	1,721	332	
		spur		а. Год	0 0	0 [	0 0	0 9	6 0	1 9	1 0	0 0	9		•		
,		Local Funds		Rs. a	8,688	5,225	5,603	4,896 15	6,570 10	12,239	3,746	9,508	56,476 13		•		
				од	0	0	C7	0	6	6	0	0	00	0	0 8	0	
		Total		Ks. a.	9,953 9	5,225 1	7,170 7	6,648 7	6,902 10	13,960 9	7,003 13	9,508 0	66,372 9	1,265 9	1,721 8	332 0	
		7-	δ. ————	- <del>.</del>		0 0	6 0	0	6	0	0	0	9		0		
	diture	Contin-	gencies	Rs. a.	•	162 0	108 0	951 4	115 12	4,481 8	163 10	2,055 0	8,037 3		641 8	•	
	Expenditure	ling	ıces	a. p).	0 0	0 0	4 10	12 0	11 0	0 8	0 0	0 0	3 10		:		
	,	Travelling	Allowances	Rs.	2,208	92	1,677	93 1	1,457 1	150	1,504 10	1,909	9,076 13		•		
		of ish-		а. р.	0 6	1 0	1 7	0 2	3 0	6 6	0 6	0 0	8 4	0 6	0 0	0 0	
		Pay of Establish-	ment	Rs. a	7,745	4,987	5,385	<b>6</b> ,603	5,329	9,328	5,335	5,544	49,258	1,265	1,080	332	The state of the state of
	nt	SQ.	H		13	∞	6	10	21	18	14	10	109	00		9	
	ishme	Vaccinators	II		6	က	<u> </u>	CJ	<u>-</u>	∞	က 	7.3	42			:	
	Establishment	Vacci	tal I		 		8	. භ	2 4	9	ന 		33		6	: 	
			Total			. 14	. 18	. 15	. 32	63 63	. 20	. 50	184	10			
					:	•	•	•	•	, ,	•	•	•		•	:	
		District			:	:	•	:	•	•	•	•	:		•	:	
		Dist			lore	drug	a			Φ	සිය	ar	Mysore State*	Bangalore City	e City	Kolar Gold Field	
					Bangalore	Chitaldrug	Hassan	Kadur	Kolar	Mysore	Shimoga	Tumkur	Mys	Banga	Mysore City	Kolar	

\*Excluding C. & M. Station, Bangalore.

Anti-Plague Inoculations.—As an anti-plague measure 1,81,584 anti-plague inoculations were done during the year, of which 32,856 were performed in the three Cities. Inoculations done in the Districts were: Bangalore 38,554, Chitaldrug 13,324, Hassan 8,352, Kadur 6,430, Kolar 38,961, Mysore 60,901, Shimoga 14,503 and Tumkur 559. The Cities of Bangalore, Mysore and Kolar Gold Field reported 13,272, 19,334 and 13,522 inoculations respectively.

Anti-Cholera Inoculations.—A total of 32,497 anticholera inoculations were done in Bangalore District, of which 25,983 were performed in Bangalore City. In Mysore District 1,169 inoculations were done.

(e) Anti-Malaria Statistics.

TABLE 1.—Spleen and Blood Examinations made during the year 1934.

Protected Zone.

		Nagenhalli	halli			Mudgere	·			Hiriyur	ur			Nagoonhalli	ıh <b>a</b> lli	
	6-0	et-01	20 and Over	V N V Ses	6-0	61-01	So and ver	səgA	6-0	61-01	бия Оу тэуО	sə3y	6-0	6101	20 and Over	VII)
(No.	:	:	:	:	•		:		:	•	:	:	:	:		:
	:	:	:	:	•	•	•	:	:	:	:	:	:	:	:	•
	69		: <del>4</del>	147	243	:80	7 2	323	120	. co	- : H	154	71	10	: 4	
	က	7 (	:	41	6	200		14	523	्र त्य	· :	25	0.0	:	1 :	200
( Pe) cent injected ( No. Examined	11 11	သ သ	: ∞	25.2	3.4 29	0.5	: :	4.0	19.2	6.1	: :	16. <b>2</b>	7.1	:	: :	5.6 28
	1I	:	)	07	67	:	:	67	10	4	:	6	00	П	:	6
Per cent Infected	9.1	). :	12.5	9.1	6.9		:	0.0	17.2	28.6	:	20.9	න න න න න	25.0	:	32.1
J	n c	ට <b>ර</b>	ω -	- 77 - 77	010	4 4	:	350	က က ဏ	) en	:		<b>10</b> an		:	क म
Per	6.9	40.0	7 • •	7.7	12.5	25.0	: :	18.8	23.1	30.08	• •	26.1	37.5	0.001	• •	7.77
ON'S	<u></u> σ ,	H	-	10	<u> </u>	9	:	14	14	П	:	15	က	prod :	:	4
No. infected	7.0	:	•	10.0	L	. co		30 Z	:	:	:	· :	F-1 C	100	:	<b>C</b> 3 <b>C</b> 3
	6.21	:		0.01	0.71	35'5 11	:	21.4	:		:		22.22	0.601	•	0.00
1 1 - 1		: :		•	:		: :	7	) —	:	•			0 m	•	ı —
0 1	•	:	:	:	•	9.1	•	9.9	20.0	:	•	14.8		0.09	:	0.09
(No. Examined	:	:	:	:	C7 F	C7	•	√ -	:	:	:	:	:	:	:	•
•	•	:	:	:	1 O	:	:	0.7G	:	:	:	:	:	:	:	:
	:	:	:	•	0 00	:	:	75.00 C	:		•	:	•	:	:	•
	• •	: :	•	•	4	• ;	•	4	•	:	:	•			:	
_	:	:		:	:	:	:	•	:			:	:	:	:	:
No.	55	6	17	81	63	46	:	109	61	27		88	35	8	:	43
	4	C)	-	<u></u>	မ	<u></u>	:	13	6	<u></u>	:	16	12	က	:	16
_	7.3	22.2	0.0 0.0	9.8	9.6	15.5	:	11.9	14.8	25.9		18.2	34.3	<b>37</b> .5	:	37.2
of No.	124	44	09	228	306	126	:	432	181	l õ	1	242	106	18	41	128
examined. Per cent Infected	5.2	9.8	1.1	4.8	4.5	9.5	::	6.3	17.7	15.0	: :	16.9	16.0	22.2	::	16.4
Spleen Rate Per cent Infected	44.4	20.5	28.3	35.5	9.08	36.5		25.2	33.7	45.0	:	36.4	33.0	44.4	:	93.6
				_	-					-	-					

TABLE 2.—Spleen and Blood Examinations made during the year 1934.

Peripheral Zones.

		-														
		Nagenhalli	ıhalli			Mudgere	ere			Hiriyur	ur			Palhalli	111	
	6-0	6 <b>i</b> -01	рив 02 төvО	səgA IIA	6-0	et-01	20 and Ver	V Ses	6-0	61-01	20 впа Охег	V Sess	6-0	61-01	SO and Over	IIA     sėgA
No.	:	•	:		:		:	:	က		:	410	:	:	:	
Examined. Der om triforted	:	:	•	•	•	6 6 0	:	:	   ```````   `````````	10001	:	20.02	:	:	*	•
(No.	: en c	. 17	• •	20	24	. 4	: :	28	118		: -	1 <b>5</b> 7			: :	45
tive. (Per cent Infected	9:1	29.4	: ;	14.0	12.5	• •	: :	10.7	22.9	20.1	10001	36 22.9	5 5 5 7	18.5		4.8 4.9
(No. Examined	24	<b>ග</b> -	:	<b>ന</b> ന	36	133	:	49	42	91	•	58	21	4	•	25
:	29.5	11.1	: :	24.2	16.7	23.1	: :	18.4	33.3	18.7	• •	29.3	93.3		: :	28.0
(No. Examined	19	77	:	 	<u>ග</u> ග	4	:	10	25° a	II c	:	33	22	1100	:	00 E
	8.98	42.3	: :	39.1	50.3	: :	: :	30.0	36.4	18.5	: :	30.3	45.5	18.2	: :	36.4
No.	6	14	:	23	4	5	:	6	25	ಹ	:	99	<u> </u>	က (	•	12
	7	70 0	:	9	, :	:	:	:	12	:	•	12		7 5	:	ක දි ක
( Per cent Intected ( No. Examined	11.1	9.68	: :	1. 97.			•	್ಷ	4 <b>8</b> ·0	: 20	: :	40°C	1.11	2.00	•	0.67
	:	:	: :	)	:	:	:	:	) pacal	0.07	:	က	(C)	· C7	:	4
0 '			:	*	: '	:	;		16.7	40.0	:	27.3	25.3	2.99	:	33.3
/ No. Examined	•		:	:		:	:		:	i	:	:	;	:	•	•
Per		: :	: :	• :	100.0	, .	: :	100.0	: :	: :	: :	: :	• • •	• .	::	: :
All Persons (No. Examined with Palpa- No. Infected ble Spleen. (Per cent Infected	56 15 26·8	30.8		95 27 28 <b>·4</b>	49 10 20.4	23 33 13.0		72 13 18·1	95 35 36.8	37 7 18·9		132 42 31·8	61 21 32.1	21 6 28·6		82 26 30·2
	88	56		145	73	27	:	100	216	76		293	95	32	:	129
persons   No. Intected examined.   Per cent Infected	20.5	16 28·6	::	34 23.5	17.8	11.1	::	16.0	29.1	20.1	0.001	27.3	19.2	25.0	::	23.6
Spleen Rate	6.29	62.5		65.5	6.79	85.2		72.0	43.5	48.4	100.0	45.1	21.1	21.1		64.6
															-	

TABLE 3.—Species of Malaria Parasites.

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		——————————————————————————————————————		17.7	:	:	:	:		14.	
Nagoonhalli		tnangilaM n <b>a</b> itreT		52.9	:	•	:	:	6	42.9	
Nago		Renign Rertian	ŗ	59.4	4	100.0	•	:	<u></u> ග	42.9	
		Total No.	Ē	7 :	4	:	:		21	•	
	and	Quartan	O F	27.3	9	46.5	•	0	24	30.0	
Hiriyur	(Hutchavanhalli and Babbur)	Malignant Rertian		33.3	ဢ	23.1	:	;	25	31.3	
	(Hutcha	Benign Tertian	9	39·4	4	80.8	Н	100.0	31	38.8	
		Total No. hetected	٥	90	13	:	Н	3	80		
		Quartan		::	:	:	:	•		; 2 •	
Mudigere	esgal and Old Mudigère)	Malignant Tertian	2	46.2	63	2.99	*	:	ω	20.0	
Muc	(Kesgal and Mudigère	Benign Tertian	t	53.9	<del>,</del> 1	33.3 33.3	:	•	œ	20.0	
	٠	Total No. beteed	19	or :	က	:	:	•	16	:	
	pur, and	Quartan		22.2	7	25.0		:	œ	23.5	
Nagenballi	Kalastwadi, Siddalingapur, and Laxmipur)	mangilaM Tertian	16	8.42	2	48.8	0 0	•	12	ည် တွင် အ	-
Nag	twadi, Si Lax	nginətl asittəT	σ	50.0	õ	အ အ	•	:	14	41.5	
	Kalas	Total No.	œ	Q :	16	6. 6	:	:	34	•	
				• •	•	•	:	:	•	•	
	Age		0-9— No. Infected	Per cent Infected	No. Infected	Fer cent Infected	No. Infected	All Ages	No. Infected	Fer cent Infected	

TABLE 4.—Species of Malaria Parasites.

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	Quartan	٥	26.1	23	25.0	:	:	∞	25.1	
Palahalli	dansilsM naitreT	Ē.	30.4	C3	25.0	:	:	6	0.68	
Pala	Renign Reidra Terdian	01	43.5	4	50.0	:	:	14	45.5	
	Total No.	93	:	œ	:	:	:	31	:	
	Сивтъп	L	21.9	22	22.5	:	•	6	0.73	
Hiriyur	Malignant Tertian	-	34.4	F	11.1	:	:	12	29.3	
H	Benign Tertian	7	43.8	9	2.99	:	:	20	48.8	
	Total No. beteed	30	:	6	:	:	:	41	:	
	Quartan		:	:	:	- •	:	:	:	
Mudigere	tnangilaM naitreT	χ	33.3	9	20.0	•	:	H	40.7	
Mud	Benign Tertian	01	2.99	9	20.0	:	÷	16	59.3	
	Total No. betsed	<u> </u>		12	:	:	:	27	:	
	петтви	cr.	42.9	:	•	•	:	က	27.3	
Nagenhalli	tnsngil&M nsitteT	C,	58.6	П	33.3	<b>-</b>	100.0	4	36.4	
Nag	Denign Tertian	C.	2 <b>8</b> .6	63	2.99	:		41	36.4	
	Total No. betselal	7		က	:		:	Ħ	•	
	,		•	•	:	•	:	•	•	
		0-9- No. Infected	Per cent Infected	10-19- No. Infected	Per cent Infected	20 and Over— No. Infected	Per cent Infected	All Ages— No. Infected	Per cent Infected	

TABLE 5.—Larval and Adult Catches in Control Areas.

Mysore City	1934		63	011	110	ς α	250	5 -	•	46	:	;	:	:	:	-	;	. :	760		:	:	• • •	120	:	
Mysor	1933	•	16		277	104	43	5 70		21	_	:	:	:		C	١ ;	-,:	883	}	:	:		154	•	
llore y	1934		:		114 0	0. 1 10	) cc	5 70	•			:	:	:	-	ന	) 🕶		40	1 050	1,00,1	:	• 6	99	:	
Bangalore City	1933	•	:	: 0	9	0.7	5	22		<b>p4</b>	4	:	:			9	, ,—	:	1	1 040	T,003	:	•	96	:	
Nagoon- halli	1934	Zone	6	: 0	014	1 097	1,00%	163	)	55	10					٠-	3.5	)	37	000	1,230	614	:	:	:	
	34	Pl. Sone	685	: 6	340	1 1 1 1	1 C T	250,1		12		· ·	-,			0.3	3 =	4	90g		1,800	01	m 	317	83	
yur	1934	Ptd.	454	: 0				50		6:	,	1				70	) <del>-</del>	4	07	100	1,150		_	152	12	
Hiriyur	88	PI, Sone	999		100 200	7 7 7 6	1,014	2,200	1	66	3 70	)			:	14	7.7	3	600 1	1,230	7,860	FT T	11	318	14	
	1933	Ptd, Sone	658					1,040,1		19	7	1			:	10	2 ~							241		
	4	Pl.	:	• 1	256	# 5	000	154	77	166	688	130		44	٦,	7 7	# C		:				_	215		
gere	1934	Ptd.	H	:	- 13 - 13	x 6	) S	200	707	: œ	804	) H 7C	5		4	: -		۷	:	::	<u>ئ</u>	133	:	160	က	
Mudgere	33	PI. Zone	C3	:	87	41 6	0 (	) () ()	PH PH	0.44	C 580	17.	4	:	:	: -	# G	3	•		106	တ္ထ	:	175	9	_
	1933	Ptd.	П	:	63	27 S	53	3.L	07	110			9	:	3 3	:	:	N	:	:	\$	16	:	123	ဏ	
•	45	Zone Pl.	98	:	1,372	တ ှ	1, <b>6</b> 59	265			000		:	:	:	: 1	<u>റ</u>	23	:	777	1,558	10	2	932		
halli	1934	Ptd.	10	:	480			112		: 10	0 0	c <sub>T</sub>	:	:	:	: 0	1 a		: (	$\infty$	894	CJ		516	)	
Nagenhalli	65	PI. Sone	185	:	929	50	836	716	711		202	617	:	:	:	: 7	. J.	n	: (	27	750	12	C	909	3	
	1933	ptd.	20	•	110	4	272	160	157	: 0	946	? r	<b>-</b> -	:	:	: 1	437	ı.	:	C <sub>1</sub>	474	6	o C	107	101	:
						:	:	:	:	:	:	:	:	:	:	:	:	:	:	- :	:			:	•	•
					• •	•	•	:	•	•	•	:	:	:	•	•	•	•	•	•			•	•	•	•
	Species	(	A. Aconitus	A Aitkenii	A. Annularis	A. Barbirostris	A. Culicifacies	A. Fluviatilis	A. Hyrcanus	A. Insulæfloram	A. Jamesii	A. Jeyporiensis	A. Karwari	A. Leucosphyrus	A. Maculatus .	A. Majidi	A. Pallidus	A. Splendidus	A. Philippinensis	A. Stephensi	A Subvictus	A Thousallating	A Hambler 3:	A. Lurkhuui	A. Vagus	A. Varuna

Rongalows and Mercons Cities in 1007 1020 1022 and 1024 TABLE

Parasite         No.         Spleen         Parasite         No.           Rate         Ex.         Rate         Ex.           1,622         0.7         3.9         1,874           1,622         0.7         3.9         1,874           1,622         0.7         3.9         1,874           1,75         0.6         6.2         274           351         1.1         6.4         345           1,717         3.9          1,760           1,717         3.9          1,760           1,717         3.9          1,760           1,717         3.9          1,760           1,717         3.9          1,760           1,717         3.9          1,760           1,717         3.9          1,760           1,717         3.9          1,760           1,717         3.9          1,770           353         3.43            353          1,770           353          1,770           353          <	1927   1932   1938   1938   1934	1927		0	1932			1933			1934	
No.         Spleen         Parasite         No.         Spleen         Parasite         No.           Ex.         Rate         Ex.         Rate         Rate         Ex.           859         28.2          1,622         0.7         3.9         1,874           152         37.5          186         1.1         5.0         290           221         31.2          186         1.1         5.0         290           156         21.8          175         0.6         6.2         274           164         15.2          175         0.6         6.2         274           164         15.2          175         0.6         6.2         274           164         15.2          17.7         0.6         6.2         274           166         8.4          15.4         1.9          17.60           344         7.2          1.717         3.9          17.60           44         29.5          1.717         3.9          1.760           50		1201			7007		-	1000			FORT	
859       28.2       1,622       0.7       3.9       1         152       37.5       186       1.1       5.0       1         221       31.2       175       0.2       2.5       1         156       21.8       175       0.6       6.2       2.5         164       15.2       351       0.6       6.2       2.5         166       8.4       1.7       3.5       1.8       1.8         344       7.5       1.717       3.9       1.8         44       29.5       1.717       3.9        1.9         7       14.3       96       0.0           60       60       60       1.9           59       10.2       3.8           59       10.2       3.8           27       11.1        156       8.8          29       3.4        160       2.5          29       3.4             20         <			Parasite   Rate	No. Ex.	Spleen Rate	Parasite Rate	No. Ex.	Spleen Rate	Parasite Rate	No. Ex.	Spleen Rate	Parasite Rate
859       28:2       1,622       0.7       3:9       1         152       37:5       186       17:1       5:0         221       31:2       415       0.2       2:5         156       21:8       175       0.6       6:2         164       15:2       351       1.1       6:4         166       8:4       1.7       0.8       1:8         166       8:4       1.7       3:9       1:8         344       7:5       1.717       3:9       1:8         44       29:5        154       1:9          7       14:3        96       0.0          60       5:0        3:3           59       10:2        483       3:3          27       11:1        156       8:5          29       3:4             50       0:0            11:1             20 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
152       37.5        186       1.1       5.0         221       31.2        415       0.2       25.5         156       21.8        175       0.6       6.2         164       15.2        351       0.6       6.2         166       8.4        515       0.8       1.8         344       7.5        1,717       3.9       1.8         44       29.5        154       1.9        1.8         60       8.2        815       3.8         1.9         7       14.3        96       0.0   <	859	23.2	:	1,622	2.0	3.0	1,874	1.5	5.6	2,029	7.7	:
221       31.2       415       0.2       2.5         156       21.8       175       0.6       6.2         164       15.2       175       0.6       6.2         166       8.4       1.1       6.4       6.4         344       7.5       1,717       3.9       1.8         44       29.5       1.72       1.71       3.9       1.9         60       8.2       1.54       1.9        1.9         7       14.3        96       0.0        1.9         60       50        353       5.1         1.56       8.8         27       11.1        156       8.8            29       3.4        160       2.5            29       3.4 <td< td=""><td> 152</td><td>37.5</td><td>:</td><td>186</td><td>1.1</td><td>5.0</td><td>290</td><td>2.4</td><td>12.9</td><td>304</td><td>1.9</td><td>•</td></td<>	152	37.5	:	186	1.1	5.0	290	2.4	12.9	304	1.9	•
156     21.8       164     15.2       164     15.2       166     8.4       166     8.4       344     7.5       47     29.5       60     8.2       7     14.3       60     8.2       7     14.3       60     96       60     96       7     14.3       10.2     353       59     10.2       11.1     156       29     3.4       11.1     156       29     3.4       10.0     3.5       10.0     3.5       10.0     3.4       10.0     3.5       11.1     156       29     3.4       10.0     3.5       10.0     3.5       10.0     3.5       10.0     3.6       10.0     3.4       10.0     3.6       10.0     3.6       10.0     3.4       10.0     3.6       10.0     3.6       10.0     3.6       10.0     3.6       10.0     3.6       10.0     3.6       10.0     3.6       10.0 </td <td></td> <td>31.2</td> <td>:</td> <td>415</td> <td>0.5</td> <td>2.2</td> <td>439</td> <td>1.1</td> <td>5.0</td> <td>551</td> <td> &amp;</td> <td>:</td>		31.2	:	415	0.5	2.2	439	1.1	5.0	551	 &	:
164     15·2       166     8·4       166     8·4       344     7·5       44     29·5       97     7·2       60     8·2       60     8·2       60     8·2       7     14·3       60     8·5       59     10·2       20     3·5       20     3·4       20     3·4       20     3·4       20     3·4       20     3·4       20     3·4       20     3·4       20     3·4       20     3·4       20     3·5       20     3·4       20     3·4       20     3·6       20     3·6       20     3·4       30     3·4       30     3·4       30     3·4       30     3·4       30     3·4       30     3·4       30     3·4       30     3·4       30     3·4       30     3·4       30     3·4       30     3·4       30     3·4       30     3·4       30 <td></td> <td>21.8</td> <td>:</td> <td>175</td> <td>9.0</td> <td>6.5</td> <td>274</td> <td>2.0</td> <td>5.3</td> <td>287</td> <td>2.0</td> <td>•</td>		21.8	:	175	9.0	6.5	274	2.0	5.3	287	2.0	•
344     7.5       344     7.5       44     29.5       44     29.5       44     29.5       60     8.2       60     8.2       7     14.3       60     8.5       7     14.3       96     0.0       59     10.2       27     11.1       29     3.4       160     2.5       29     3.4       160     2.5       160     2.5		15.2	:	351	بر سر (	4.9	345	0. 10.	က ဖ	375	8.0	•
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97       7.2         60       8.2         7       14.3         60       50         59       10.2         27       11.1         29       3.4         160       2.5         20       3.4         3.4		29.5	:	:	:	:	:	÷	:	. :	:	:
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7       14.3        96       0.0         60       5.0        353       5.1         59       10.2        483       3.3         27       11.1        156       8.8         29       3.4        160       2.5         5       0.0		8.5	:	315	3.8	:	343	4.3	:	304	4.9	:
60 5·0 353 5·1 483 3·3 483 2.5 15·6 8·8 16·0 2·5 5·0 16·0 2·5 16		14.3	:	96	0.0	:	187	3.4	:	96	3.1	:
59       10.2        483       3·3          27       11·1        156       8·8          29       3·4        160       2·5          5       0·0		0.0	:	353	5.1	•	332	10.2	:	323	6.6	•
27     11.1      156     8.8       29     3.4      160     2.5       5     0.0		10.5	:	483	3.9	:	357	7.5	:	318	3.7	:
29 3. <b>4</b> 160 2.5 5		11.1	:	156	8.8	:	128	6.5		112	1.8	:
0.0	<b>~</b> ~~	3.4	:	160	2.2	:	181	4.4	•	151	4.6	:
		0.0	:	:	•	:	:	:	:	:	:	•

Bureau of Vital Statistics—See Volume II.

# MYSORE STATE DEPARTMENT OF HEALTH.

# The following Bulletins are published by Government:

No. 1. Report on a Health Survey of Mysore—

30NAR1936 \*

By W. C. SWEET, B.Sc., M.D., Dr. P.H., Field Director, International Health Division, Rockefeller Foundation, Consultant in Health in Mysore, Bangalore, 1928.

No. 2.\* Report on Tuberculosis in Mysore State—

By P. S. CHANDRASEKHAR, M.D., sometime Officer-in-charge of Tuberculosis Survey in Mysore, 1928.

No. 3.\* Report on a Sanitary Survey of the City of Bangalore for the Year 1927—

By Mahomed Usman, L.M.S., (Retired) Senior Surgeon and Sanitary Commissioner, Bangalore, 1928.

No. 4.\* Guinea-worm Disease in Mysore State-

By J. V. Karve, M.B., CH.B., D.P.H., (Retired) Director of Health in Mysore, Bangalore, 1929.

- No. 5. Report of the Delegation of the British Social Hygiene Council (Inc.), to the Government of Mysore, 1929.
- No. 6. Report on the Present Status of Birth, Death and Epidemic Diseases Reports in Mysore District, Bangalore City and Kolar Gold Field, with Suggestions for Improvement—

By E. R. Sundararajan, M.A. (Hons.), Superintendent, Bureau of Vital Statistics, Bangalore, 1929.

- No. 7. A Survey of Mysore State for Enlarged Spleens and for Hook-worm and other Helminthic Infections—

  By W. C. Sweet, B.Sc., M.D., Dr.P.H., Consultant in Health in Mysore, Bangalore, 1929.
- No. 8. Physicians' Pocket Reference to the International List of Causes of Death, 1932.
- No. 9. Handbook of the Mysore State Department of Health—
  By J. V. Karve, M.B., Ch.B., D.P.H., (Retired)
  Director of Health in Mysore, Bangalore, 1933.
- No. 10. Notes on Malaria in Mysore State-

By W. C. SWEET, B. A. RAO, and D. NURSING, 1934.

\*Not available.

"Public Health is Purchasable. Within Natural Limitations any Community can Determine its own Death-rate."

No. 29]

[1934.



# ANNUAL REPORT

OF THE

MYSORE STATE DEPARTMENT OF HEALTH

FOR 1934

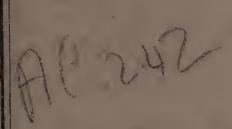
VOL. II

VITAL STATISTICS

P. PARTHASARATHI, L.M.S., B.S.Sc., L.R.C.P., L.R.C.S., D.P.H., D.T.M.,

Director of Health.





BANGALORE:

PRINTED BY THE SUPERINTENDENT AT THE GOVT. PRESS
1936

"Search for the Truth is the noblest occupation of Mankind; its publication a Duty."

## VOLUME II

VITAL STATISTICS.



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## ANNUAL REPORT

OF THE

### MYSORE STATE DEPARTMENT OF HEALTH.

#### Volume II

#### BUREAU OF VITAL STATISTICS.

E. R. SUNDARARAJAN, M.A. (Hons.), Superintendent.

#### (i) General.

Reporting of Vital Statistics.—The introduction of the new forms for general use in the State not only for the purpose of reporting of births and deaths, but also morbidity, vaccination, incidence of epidemic diseases, etc., has improved the collection of statistics from the public health point of view. But it is necessary to point out that only proper compilation of the figures received will greatly help the studies being made in evaluating the health work done and in taking necessary measures to prevent suffering in the community.

Standardization of Forms, etc.—The following cards and forms were designed and put into use for trial as per Government Order No. G. 7585-7—P. H. 88-33-2, dated May 11—12, 1934, for being tested in the field with a view to evolve permanent forms.

Ca	rde	and	Forms.	
$\cup u$	rus	ana	I OTTILS.	

#### Particulars.

000,000 00,000 2 01,000	•	
V. S. No. 3 (b)	* * *	Monthly reporting of Vaccination, and Inoculations done by Medical Officers.
V. S. No 4 (d)	• • •	Midwife's Follow-up of cases up to One Year after Delivery.
V. S. No. 10		Summary of Health Work done.
V. S. No. 13 (a)	• • •	Villagewar Vital Statistics for each Month.  To be used by Amildars.
V. S. No. 13 (b)	• • •	Talukwar Vital Statistics for each Month.  To be to used by Deputy Commissioners.
V. S. No. 2 (h)	<b>6</b> • •	Daily Reporting of Epidemic Diseases by Presidents of District Boards.
V. S. No. 2 (i)	•••	Daily Reporting of Epidemic Diseases by Health Officers of Cities,

And the following forms were printed for computation purposes, viz., V. S. Nos. 6 (a), 6 (c), 7 (a), 7 (b), 7 (c), 7 (d), 9 (b), 11 and 12.

Statistical Tables.—As all the Taluks were not supplied with the Birth and Death Registers simultaneously, the uniformity in the reporting was affected, and on this account it is only from January 1, 1935 that separate statistics will be available for Malaria, Typhoid, Consumption, Leprosy, Child-birth, Drowning, Snake-bite and Rabies.

#### (ii) Population.

Excluding C. & M. Station the population of the State as per Census of 1931, was 6,423,189 on February 26, 1931. The estimated population as on July 1, 1934 was 6,612,486.

Population by Districts and Cities.—The estimated population in the Districts and Cities were as follows on July 1, 1934.

District or City	:	Estimated Population			
	Males	Females	Total		
Bangalore	•••	583,768	554,951	1,138,719	
Chitaldrug	* • 1	350,844	333,414	684,258	
Hassan	• • •	303,600	297,695	601,295	
Kadur	• • •	187,675	164,807	<b>35</b> 2,4 <b>7</b> 8	
Kolar	• • •	444.177	423,916	868,092	
Mysore	• • •	779,996	767,362	1,547,359	
Shimoga	• • •	280,974	248,231	529,206	
Tumkur	• • •	454,015	437,061	891,076	
Mysore State (Total)	• • •	3,385,049	3,227,438	6,612,486	
Bangalore City		101,012	89,424	190,440	
Mysore City		61,137	53,799	114,937	
Kolar Gold Field		44,232	40,005	84,237	

Population by Age-Groups.—The estimated populations in the following age-groups are given as on July 1, 1934.

Age Period		Estimated Population			
		Males	Females	Total	
Under one year		87,440	90,676	178,120	
15		392,726	406,122	798,849	
5—10		440,994	438,887	879,881	
10—15	•••	427,374	403,317	830,688	
15—20	***	315,287	311,490	626,777	
20-30	• • •	573,071	601,620	1,174,691	
30—40		495,197	424,352	919,549	
40-50		336,857	260,341	597,198	
50-60		172,927	158,848	331,774	
60 and Over	• • •	143,173	131,787	274,959	
All Ages	• • • (	3,385,049	3,227,438	6,612,486	

Life Table for Mysore State.—The following Table gives the rates of mortality and expectations of life at the different ages.

Life Table for Mysore State.

Age	Number Living at age x	Dying between ages (x) and (x + 1)	Mortality per cent	Living bet-' ween ages (x) and (x + 1)	Living above age x	Expectation of life at age x
0 5 10 20 40 50 60 70 80 90	100,000 64,652 58,787 49,794 41,113 32,745 24,716 17,063 9,839 3,138 82	23,131 1,478 930 882 851 819 783 742 697 602 37	23·13 2·29 1·58 1•77 2·07 2·50 3·17 4·35 7·08 19·17 45·57	82,192 63,914 58,323 49,353 40,688 32,336 24,324 16,692 9,491 2,837 64	2,738,310 2,378,256 2,070,916 1,528,347 1,074,054 705,026 418,062 209,496 75,365 11,020 128	27·38 36·79 35·23 30·69 26·13 21·53 16·92 12·28 7·66 3·51 1·56

Increase of Population.—As stated in the last annual report the population of the State on January 1, 1934 was 6,478,563 based on the Census count of population and the additions to the population owing to the excess of births over deaths in the year 1931, 1932 and 1933. The excess of births over deaths was 3,711 in the year 1934, and on this basis the population of the State should be 6,482,274 on January 1, 1935. Based on these figures therefore the rates of increase of population were 3.97 in 1931, 4.22 in 1932, 1.82 in 1933 and 0.56 in 1934 per mille of population, respectively.

Computed Rates.—Government in their letter No. G. 10929—P. H. 99-32-4, dated June 13—14, 1935 have approved that the Census populations may be converted into estimated populations as on July 1 of each year for

computation of rates.

In this Report the birth and death rates refer to each 1,000 of population; infant mortality rates to 1,000 living births; death rates by cause per 100,000 of population; puerperal death rates per 1,000 total births (including still-birth); and still-birth rates per 1,000 total births (including still-births). The Districts include the Cities contained therein but the Taluk figures are exclusive of these.

#### (iii) Morbidity.

The system of card reporting of monthly morbidity statistics from Dispensaries has worked well. In the twelve months of the year 1934 as many as 36,18,060 patients were treated, giving an average of 3,01,505 per month. During the year, therefore, 10,050 patients were treated per day, on the average, as compared with 8,762 in the previous year.

Morbidity Rates in Districts.— The rates of morbidity in the districts are given in Table 32 for each month. The annual rates varied from 841 in Kadur District to 379 in Tumkur District. Assuming that the figures represent the actual state of affairs, the order of healthiness of the Districts may be shown as follows:—Tumkur (379), Chitaldrug (385), Kolar (458), Mysore (522), Bangalore (622), Hassan (625), Shimoga (814) and Kadur (841). It may further be stated that the degree of morbidity in Kadur and Shimoga Districts is very much higher than in Hassan, Bangalore and Mysore Districts. Prevalence of morbidity is light only in Tumkur and Chitaldrug Districts as shown below:—

MORBIDITY.		DISTRICTS.
Under 200		Nil.
200-400	• • •	Tumkur and Chiltaldrug.
400-600	• • •	Kolar and Mysore.
600-800		Bangalore and Hassan.
8 <b>0</b> 0–1000	• • •	Shimoga and Kadur.

Morbidity Rates by Months.—The study of rates by months is interesting. Morbidity was lowest (470) in February and highest (607) in July. The average morbidity being 547, it may be stated that morbidity was above the average in March, April, May, June, July, August and

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September and below the average in the remaining five months.

Chief Causes of Morbidity.—Statistics of morbidity for each of the 48 causes are given in Table 33. It will be seen from this Table that seven groups of diseases account for nearly 73'31 per cent of total morbidity in the State. Of these seven groups Malaria tops the list with the prevalence of 19'03 per cent of total morbidity. The other diseases in order are: the Diseases of the Skin (15'41), Diseases of the Digestive System (10'76) Diseases of the Respiratory System (10'63), Diseases of the Eye (7'13), Injuries (5'58) and Pyrexia of Uncertain Origin (4'77). It is significant that year after year, these seven causes continue to be the major causes of morbidity in the State.

#### (iv) Births.

#### REPORTED BIRTHS (TABLE 1).

In the year under report, a total of 117,302 births was reported as compared with 117,920 in the previous year. The computed birth-rate was 17.74 per mille of population against 17.99 in 1933.

#### SEX RATIO OF BIRTHS (TABLE 5).

Of 117,302 births reported, 60,484 (or 51.6 per cent) were males and 56,818 (or 48.4 per cent) females. The ratio of male to female births was 106 to 100 as against 104 to 100 in the previous year.

#### MONTHLY INCIDENCE OF BIRTHS (TABLE 1).

The percentage of births reported in the several months of the year is given below:

	Mo	${f nth}$		Number of Births	Percent of Total Births		
			,	Reported	1934	1935	
January	• • •	• • •	•••	8,482	7.23	7.83	
February	• • •	F + +		7,786	6.64	7.05	
March	•••	• • •		9,184	7.83	8.40	
April		•••		9,298	7.94	8.55	
May	• • •		• • •	9,910	8:45	8.87	
June	***	• • •	•••	10,051	8.59	8.98	
July	•••	0 0 0	•••	10,342	8.82	8.54	
August	• • •	• • •		9,954	8.49	8.16	
September	• • •	4.4.5	•••	10,133	8.64	8.09	
October		• • ¢		<b>10,74</b> 3	9.16	9.34	
November	•••	• • •		11,166	9.52	8 <b>·2</b> 8	
December	• • •	•••	•••	10,223	8.71	7.91	
	$\mathbf{T}$	otal	•••	1,17,302	100.00	100.00	

The highest number of births was reported in November, viz., 9.52 per cent of the total births recorded. More than 8 per cent were reported in each month in the period May-December. February reported the least number of births, it being only 6.64 per cent of the total. The order of months in respect of decreasing percentages of total births reported is November 9.52, October 9.16, July 8.82, December 8.71, September 8.64, June 8.59, August 8.49, May 8.45, April 7.94, March 7.83, January 7.23 and February 6.64. This monthly distribution is depicted for the eye in Graph 1.

### BIRTH-RATES IN DISTRICTS (TABLE 1).

The computed rates in the Districts varied from 21·27 in Bangalore District to 13·26 in Chitaldrug District. In the descending order of the birth-rates the Districts were: Bangalore 21·27, Kolar 18·92, Shimoga 18·36, Mysore 18·06, Tumkur 17·38, Hassan 15·68, Kadur 14·22 and Chitaldrug 13·26. In City areas the reported rates were: Kolar Gold Field 49·69, Bangalore City 34·01, and Mysore City 26·59.

Chart I gives a comparative picture of the computed

birth-rates for the Districts and Cities.

## BIRTH-RATES IN TALUKS (TABLE 27).

In the case of Taluks the computed rates varied from 36.59 in Gudibanda Sub-Taluk to 9.34 in Sira Taluk. The normal birth-rate in the State is estimated to be about 44 and it therefore follows that in no Taluk is the reporting quite satisfactory. Only two Taluks—Heggad-devankote and Gudibanda (Sub) had rates between 30—40, twenty-one Taluks between 20—30, three Taluks less than 10 and the remaining 54 Taluks recorded rates between 10 and 20 Map 1 shows the gradation in the reporting of births in the eighty Taluks of the Mysore State in the year 1934.

## BIRTH-RATES IN MUNICIPALITIETS (TABLE 28).

The birth rates varied from a maximum of 56:26 in Koppa Town to as low a rate as 7:54 in Agara Mamballi. Of the 104 Town Municipalities it is significant to find that only the following four Municipalities have recorded rates of 40 and over: Koppa (56:26), Nagar (45:50), Narasimharajapura (43:46) and Nyamti (41:05).

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BIRTH-RATES IN URBAN AND RURAL AREAS (TABLE 6).

As observed in the report for the previous year the urban rates are uniformly higher than the rural rates. The urban birth-rate was 27.40 in the year under report against 27.56 in the previous year. The order of the Districts in respect of the urban birth-rates is given below: Kolar 39.93, Bangalore 30.26, Kadur 25.21, Mysore 24.25, Shimoga 21.27, Hassan 21.02, Chitaldrug 19.33 and Tumkur 18.44.

The rural birth-rate computed for the year was 16.08 as compared with 16.36 in the preceding year. The Districts may be arranged in the descending order in respect of the rural birth-rates also as follows: Bangalore 18.46, Shimoga 17.94, Tumkur 17.30, Mysore 16.94, Hassan 15.12, Kolar 14.23, Kadur 12.77 and Chitaldrug 12.57. This order illustrates in a way the gradation of defect in the registration of births in these districts.

#### (v) Deaths

#### REPORTED DEATHS (TABLE 2.)

During the year 1,13,591 deaths were reported as against 1,06,009 in the preceding year showing an increase of 7,582 deaths. This excess is due to increase in deaths under Fevers.

The computed death-rate during the year was 17.18 per mille of population as compared with 16.17 in the previous year.

#### SEX RATIO OF DEATHS (TABLE 5.)

Of 1,13,591 deaths reported during the year 58,612 (or 51.6 per cent) were males and 54,979 (or 48.4 per cent) females. The ratio of male to female deaths was 107 to 100 as compared with 104 to 100 in the preceding year.

#### MONTHLY INCIDENCE OF DEATHS (TABLE 2.)

Deaths reported in the different months of the year are given below with the corresponding percentages on total annual deaths.

	Month		Number of Deaths	Per cent of Total			
	Month		Reported	1934	1933		
January February March	•••	• • • • • • • • • • • • • • • • • • • •	10,561 9,481 13,674	9°30 8°35 12°04	8.07 6.26 7.13		

			Number of	Per cent	of Total	
Ĭ.	Month		Deaths Reported	1934	1933	
April	• • •		11,151	9*82	6.82	
May			8,351	7.35	6.85	
June			7,572	6.67	7.83	
July	é • •	· · · · · · · · · · · · · · · · · · ·	8,439	7.42	8.47	
August	. 6 .		8,594	7.57	8.51	
September			8,464	7.45	8.26	
October	• • •	• • •	8,419	7.41	9.79	
November			9,264	8.15	11.59	
December	•••	]	9,621	8.47	10.72	
	Total	e • 9	1,13,591	100'00	100.00	

The highest number of deaths, viz., 12.04 per cent of the total recorded deaths was reported in the month of March. The month of least reported deaths was October with 7.41 per cent of total deaths. The order of months in respect of the percentage of total recorded deaths is: March 12.04, April 9.82, January 9.30, December 8.47, February 8.35, November 8.15, August 7.57, September 7.45, July 7.42, October 7.41, May 7.35 and June 6.67.

#### DEATH-RATES BY COMMUNITIES (TABLE 3.)

In the year under report the computed death-rates among Hindus and Mussalmans were 16.77 and 14.61 respectively as compared with 16.11 and 13.05 in the preceding year. As in the previous year the death-rate among Hindus was higher than among Mussalmans.

The Hindu death-rate was higher than the Mussalman death-rate in Bangalore, Chitaldrug, Hassan, Kadur, Shimoga and Tumkur Districts. Only in the remaining two Districts, viz., Kolar and Mysore, the Mussalman death-rate was higher than the Hindu death-rate. In City areas the Mussalman death-rate was higher than the Hindu rate in Bangalore City and Mysore City, whilst in Kolar Gold Field it was actually lower.

In the case of the "Other Classes" the rates were high and varied from 122.06 to 8.77 due to the smallness of the populations in the districts.

#### AGE DISTRIBUTION OF DEATHS (TABLE 4.)

Deaths recorded in the different age-groups are given below with the corresponding differential death-rates.

Åge		Deaths		Death Rates			
Period	Male Female		Total	Male	Female	Total	
Under 1	7,728 6,916 3,359 2,647 2,986 <b>5</b> ,488 6,100 5,897 5,084 12,407	6,498 6,695 3,369 2,651 3,557 7,140 5,664 4,504 4,324 10,577	14,226 13,611 6,728 5,298 6,543 12,628 11,764 10,401 9,408 22,984	88·38 17·61 7·62 6·19 9·47 9·58 12·32 17·51 29·40 86·66	71.66 16.49 7.68 6.57 11.42 11.87 13.35 17.30 27.22 80.26	79·87 17·04 7·65 6·38 10·44 10·75 12·79 17·42 28·36 83·59	

The mortality in the first year of life was 79.87 as compared with 66.42 in the previous year. There is a steady fall in the death-rate from the first year of life to about 15 years and then the mortality increases continuously. *Graph 2* illustrates these peculiarities in the data.

It is important to notice that the female mortality is significantly lower than the male mortality in the first year of life. The same trend continues in the next agegroup, 1—5 years. In the age-group, 5—10 years, the mortalities are more or less equal, the female death-rate being slightly higher than the male death-rate. From 10 years on, the female death-rate is significantly higher than the male mortality up to age 40, but after this point the female mortality becomes less than the male mortality.

#### DEATH-RATES IN DISTRICTS (TABLE 2.)

In the Districts the death-rates varied from 21.95 in Chitaldrug District to 13.53 in Kolar District. The Districts may be arranged in the descending order of death-rates as follows:—Chitaldrug 21.95, Shimoga 18.95, Mysore 18.48, Tumkur 18.03, Bangalore 15.91 Hassan 15.36, Kadur 13.55 and Kolar 13.53.

In City areas the reported death-rates were higher and more reliable as shown below: -Kolar Gold Field 30.81, Bangalore City 29.87 and Mysore City 23.01.

Chart 3 gives a comparative picture of the reported death-rates in the Districts and Cities.

#### DEATH-RATES IN TALUKS (TABLE 27.)

Death-rates in Taluks varied from the maximum of 32.76 in Sira Taluk to a minimum of 7.02 in Mulbagal Taluk, the average death-rate in the State being estimated at about 25. One Taluk reported a rate of over 30, 17 Taluks reported rates between 20 and 30, 3 Taluks below 10, whilst the remaining 59 Taluks had all rates between 10 and 20.

#### DEATH-RATES IN MUNICIPALITIES (TABLE 28.)

The recorded death-rates in the majority of Town Municipalities are all too low to be true. The death-rates varied from the highest 51.67 in Hiriyur Town to as low a rate as 5.45 in Krishnarajpet Town. Rates above 25 were reported in the following 17 Towns:—Hiriyur 51.67, Sargur 49.78, Malvalli 40.25, Belakvadi 34.49, Koppa 32.15, Sira 31.48, Honnali 30.24, Nagar 29.71, Devanhalli 28.77, Alur 27.46, Periyapatna 27.05, Sorab 26.49, Shiralkoppa 26.27, Harnahalli 26.43, Pavagada 26.18, Sidlaghatta 25.91 and Mudgere 25.51.

# DEATH-RATES IN URBAN AND RURAL AREAS (TABLE 6.)

Unlike the birth-rates the urban death-rates are not uniformly higher than the rural death-rates. The urban rates are higher in Bangalore, Hassan, Kadur, Kolar and Mysore Districts, and lower in Chitaldrug, Shimoga and Tumkur Districts.

The registered urban death-rate was 20'41 in the year under report as compared with 19'02 in the previous year. In the descending order of urban death-rates the Districts may be arranged as follows:—Bangalore 25'11 Kolar 24'20, Mysore 19'56, Hassan 17'26, Chitaldrug 16'10, Kadur 15'02, Tumkur 14'19 and Shimoga 12'09.

The computed rural death-rate was 16.62 as agains<sup>t</sup> 15.69 in the previous year, and the rates in the Districts are:—Chitaldrug 22.62, Shimoga 19.97, Tumkur 18.33, Mysore 18.28, Hassan 15.17, Kadur 13.36, Bangalore 13.04 and Kolar 11.15.

Chart 4 brings out the differences in the urban and

rural death-rates in the Districts and Cities.

It being a fact that the degree of reporting of births and deaths in any district is the same, it may be inferred that as Chitaldrug District occupies the last place in respect of rural birth-rates and the first place in point of rural death-rates there is probably some special problem in that district which produces these varying results. In other words, the high rural death-rate in Chitaldrug District calls for an investigation.

#### EXCESS OF BIRTHS OVER DEATHS.

An excess of 3,711 births over deaths was reported during the year as compared with 11,911 in the previous year. The following statement shows the distribution of the births and deaths in the Districts and Cities.

District		Births	Birth Rate	Deaths	Death Rate	Infant Deaths	Infant Mortality
Bangalore Chitaldrug Hassan Kadur Kolar Mysore Shimoga Tumkur	•••	24,223 9,076 9,426 5,014 16,421 27,940 9,716 15,486	21.27 13.26 15.68 14.22 18.92 18.06 18.36 17.38	18,119 15.022 9,239 4,777 11,742 28,590 10,039 16,063	15·91 21·95 15·36 13·55 13.53 18·48 18·97 18·03	2,705 1,191 1,133 568 2,297 2,796 1,350 2,186	111·67 131·22 120·20 113-28 139·88 100·07 138·95 141·16
Mysore State	•••	117,302	17.74	113,591	17.18	14,226	121.28
Bangalore City Mysore City Kolar Gold Field	•••	6,477 3,056 186	34·01 26·59 49·69	5,689 2,645 2,595	29.87 23.01 30.81	1,163 347 737	179·56 113·55 176·06

As shown in the above statement the excess of births over deaths was reported in the four Districts, Bangalore, Hassan, Kadur and Kolar and deaths exceeded births in the remaining four Districts, Chitaldrug, Mysore,

Shimoga and Tumkur.

The proportion of excess of births over deaths per mille of population is given below for each District: Kolar (+5·39), Bangalore (+5·36), Kadur (+0·67), Hassan (+0·32), Mysore (-0·42), Shimoga (-0·61), Tumkur (-0·65), and Chitaldrug (-8·69). As in the previous year therefore Chitaldrug District recorded the largest excess of deaths over births.

In the case of Cities births exceeded deaths in all cases, and the proportion of excess was 18.88 in Kolar Gold Field, 4.14 in Bangalore City and 3.58 in Mysore City.

#### (vi) Infant Mortality.

#### REPORTED INFANT DEATHS (TABLE 7.)

Deaths of infants under one year of age amounted to 14,226 during the year as compared with 11,733 in the preceding year. The increase of 2,493 deaths over the previous year's total may not necessarily be due to increased mortality among infants but it is highly probable that the reporting of infant deaths has been very much encouraged by the recent efforts made in setting right the reporting. The computed infant mortality rate was 121.28 against 99.50 in the previous year.

#### SEX RATIO OF INFANT DEATHS (TABLE 5).

Of 14,226 deaths of infants reported during the year 7,728 (or 54.3 per cent) were male and 6,493 (or 45.7 per cent) were female. The ratio of male to female infant deaths was 119 to 100 as compared with 118 to 100 in the previous year.

#### MONTHLY INCIDENCE OF INFANT DEATHS (TABLE 7).

The percentage of infant deaths reported in each month of the year is as follows:—

	${ m Month}$			Number of Infant	Per cent of Total		
	214.041.044			Deaths Reported	1934	1933	
January	•••	* • •		1,221	8:58	8.9	
February	• • •	• • •	•••	939	6.60	6.5	
March		•••		1,107	7'78	$6.\overline{9}$	
April		• • •	•••	1,030	7.24	7.7	
May.	• • •	• • •	•••	919	6.46	6.8	
June	6 E 16	•••	•••	1,039	7:30	8.2	
July	* * >	• • •		1,270	8.93	8.2	
August	• • •		• • •	1,312	9.22	7.9	
September	• •	• • •	* * *	1,208	8.49	7.3	
October	• • •	• • •	• • •	1,239	8.72	8.9	
November	• • •			1,445	10.16	11.4	
December		•••		1,497	10.52	11.0	
•		Total	, •••	14,226	100.00	100.0	

In December the largest number of infant deaths was reported viz., 10.52 per cent of the total reported for the whole year, whilst the lowest percentage (6.46) was reported in May. The months may be arranged in the following descending order: December (10.52), November (10.16), August (9.22), July (8.93), October (8.72), January

(8.58), September (8.49), March (7.78), June (7.30), April (7.24), February (6.60) and May (6.46).

The monthly distribution of infant deaths is graphi-

cally illustrated in Graph 3.

INFANT MORTALITY RATES IN DISTRICTS (TABLE 7).

The rates in the Districts varied from 141'16 in Tumkur District to 100'07 in Mysore District. The Districts may be arranged as follows in respect of the infant mortality rates: Tumkur (141'16), Kolar (139'88), Shimoga (138'95), Chitaldrug (131'22), Hassan (120'20), Kadur (113'28), Bangalore (111'67) and Mysore (100'07).

In Bangalore City the computed rate was 179.56, in Kolar Gold Field 176.06 and in Mysore City 113.55. It is significant that the rates for the three Cities were almost the same as for the previous year in each case. Chart 5 exhibits the variations in the rates in the Districts and Cities.

Infant Mortality Rates in Taluks (Table 27.)

The rates in Taluks varied considerably from a maximum of 283.04 in Sira Taluk to a minimum of 44.10 in Yelandur Taluk. The normal infant mortality rate estimated for the State is about 250 per 1,000 births. It is significant that only one Taluk has reported a rate exceeding this figure. Two Taluks reported rates over 200, 52 Taluks between 100 and 200 and 26 Taluks below 100. Map 3 describes the distribution of these rates in the different Taluks.

# INFANT MORTALITY RATES IN TOWN MUNICIPALITIES (TABLE 28).

Assuming for the Municipalities the standard rate of 250 per 1,000 births, it will be seen that only Belur Town (369.23) has reported a rate of over 250. But this is unusually high. The lowest recorded rate is 0.00 in the Towns of Holalkere, Malur, Narasimharajapura and Sorab. The following 5 Towns registered rates of 200 and over: Belur (369.23), Alur (247.31), Malvalli (244.13), Honnali (239.67) and Devanahalli (230.77).

# INFANT MORTALITY RATES IN URBAN AND RURAL AREAS (TABLE 6).

In the year under report the urban and rural infant mortality rates were 125.79 and 119.96 against 116.15

and 94.75 respectively in the previous year. The rise in both the rates is probably due largely to the improvement in the reporting.

The urban rates in the Districts may be arranged as follows:—Kolar (155.38), Bangalore (154.12), Hassan (144.28), Mysore (97.09), Chitaldrug (79.59), Tumkur

(70.95), Shimoga (67.18) and Kadur (63.40).

The rural rates computed for the Districts are given here in the descending order: Shimoga (151.32), Tumkur (147.05), Chitaldrug (140.30), Kolar (130.19). Kadur (126.35), Hassan (116.58), Mysore (100.84) and Bangalore (89.92).

The differences in the urban and rural rates are shown

clearly in Chart 6.

#### (vii) Statistical History of Chief Diseases.

Statistics of Chief Diseases.—In all rural and urban areas other than City Municipalities deaths are being reported in Mysore State from July 1, 1934 under 18 Chief Causes. Arrangements were made from January, 1934 for the daily reporting of deaths in Cities according to the specific causes of death, but the detailed list for Cities will be published in the next Annual Report.

Deaths Reported in Mysore State Classified according to the 18 Chief Causes listed.

No.	Cause	e of Death	Reported Deaths	Deaths per 100,000 of Population		
				_	1934	1933
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Smallpox Cholera Malaria Typhoid Other Fevers Dysentery and Dia Respiratory Diseas Consumption Leprosy Child-birth Injuries— (i) Suicide (ii) Drowning (iii) Wounds and (iv) Wild Animal (v) Snake-bite (vi) Rabies	ses		5,890 4,521 346  56,502 5,225 4,389  1,379 218  920 241  35,339	89 68 6  854 79 66  21 3  14 4  535	107 43 1 784 74 50 18 3 13 2 540 1,617

As compared with the previous year there have been increases in deaths practically under all causes, except under Plague and 'All Other Causes.' The increase in mortality under Fevers is significant, being 70 per 100,000 of population.

So far as relative mortality is concerned there has been practically no change as shown in *Chart 7*. "Fevers' top the list and are closely followed by "All Other Causes." The other diseases in order are: Plague, Dysententery and Diarrhæa, Smallpox, Respiratory Diseases, Injuries and last of all, Cholera.

Statistics of these diseases are given in detail in Tables 8 to 26 and Taluk-war and Town-war figures are given in Tables 27 and 28. Attacks and deaths from each of the three notifiable diseases—Plague, Smallpox and Cholera—are given in Tables 29, 30 and 31 for each Month and for each affected Village, Town and City in Mysore State in the year 1934 as per returns received and compiled daily in the Bureau of Vital Statistics. As the populations affected are also given for each of these places it will be possible in future years to trace out the spread of epidemics from one place to another both within the State and from without.

The following Table gives a summary of the important statistics in the period 1925-1934 and will be found helpful for purposes of comparison.

Statistics of Births, and of Deaths from Different Diseases in Mysore State in the period of Ten Years 1925-1934.

	Typhoid					ə[ —	dsli	. ava	gou s	səan.	 giभ			
	Malaria	10				ə <sub>1</sub>	–– [dsli	eva Ava	tou i	səan.	gi¶			
eath	Сројека	6		* * *	9	1,367	413	140	567	6,385	83	06	• 346	
Cause of Death	Smallpox	œ		7,338	1,030	531	4,571	7,589	6,134	2,296	2,986	2,801	4,521	
	Ріявие	2		4,943	6.807	3,438	3,477	8,646	6,843	5,715	7,232	6,984	5,898	
	Infant Mortality Rate	9		102.94	88.13	85.15	88.96	08.06	93.95	82.36	95.36	99.20	121.28	
	Total Infant Deaths Reported	тO		10,354	10,602	9,253	10,395	10,344	10,810	9,863	11,026	11,733	14,226	
	Birth Rate	4		16.48	19.53	17 48	17-11	18.00	18 02	18.59	17.79	17.99	17.74	
	Total Births Reported	တ		100,582	120,302	108,663	107,355	113,918	115,057	119,762	115,627	117,920	117,302	
	Estimated Population as on July 1, 1934	23		6,102,780	6,159,414	6,216,048	6,272,682	6,329,316	6,385,950	6,442,584	6,499,218	6,555,852	6,612,486	,
			No ton smaller	;	:	:	:	:	:	•	•	•	. •	
	Year			• •		:	•	:	•	:	:	- •	:	
				1926	1926	1927	1928	1929	1930	1931	1932	1933	1934	

PLAGUE (TABLE 8).

Plague Deaths.—The mortality from plague was 5,890 as compared with 6,984 in the previous year. Of these 2,909 were males and 2,981 were females, and as compared with the previous year the incidence was less

among both males and females.

The following 19 Taluks reported more than 100 deaths in the year under report. Channagiri (449), Nanjangud (389), Holalkere (315), Krishnarajangar (226), Chitaldrug (189), Heggaddevankote (184), Mysore (181), T.-Narasipur (181), Davanagere (179), Chamarajnagar (166), Dodballapur (163), Honnali (160), Channapatna (158), Gundlupet (149), Anekal (139), Arsikere (128), Malavalli (124), Kadur (110), and Bangalore (109).

More than 25 deaths were reported in the following 12 Municipalities. Mysore City (170), Bangalore City (117), Malavalli (63), Devanahalli (55), Channapatna (54), Kolar Gold Field (44), Dodballapur (37), Kadur (34), Kolar (32), Saligrama (31), Bowringpet (28) and Closepet (27).

Monthly Incidence of Plague.—The variations in the incidence of deaths from plague are shown below:—

	Mo1.	)+h		Deaths	Per cent of Total		
	MOT	1011			from Plague	1934	1933
January	0.7.0	•••			1,012	17:18	10.31
February					798	13.55	5.64
March	4 • •				405	6 88	3.54
<b>A</b> pril					196	3.33	2.06
May	• •				139	2.36	1.10
June	• • •				194	3.29	5.63
July		• • •			410	6.96	7.89
August		•••			569	9.66	12.20
September					656	11.14	15.40
October	•••				572	9.71	14.29
November	•••				5 <b>0</b> 6	8.59	13.13
December	+ + +	, •••			433	7.35	8 <b>·8</b> 3
			Total		5,890	100.00	100.00

The highest incidence was in January being more than one-sixth of the mortality for the whole year. The month of the lowest incidence was May as in the previous year.

Map 4 demonstrates the geographical distribution

of plague deaths in each Taluk.

Plague Death-Rates per 100,000.— The rate of mortality was 89 during the year against 107 in the previous year. The rates in the Districts were in order: Chitaldrug (140), Mysore (136), Shimoga (118), Bangalore (92), Hassan (67), Kadur (51), Kolar (49) and Tumkur (16).

The incidence was less than in the previous year in Bangalore, Chitaldrug, Kadur, Shimoga and Tumkur Districts and more in Hassan, Kolar and Mysore Districts. The fall in the incidence in Chitaldrug District was very significant, it being 276 in 1933 and 140 in 1934.

In Mysore City (148) the incidence was in excess over the previous year, whilst in Bangalore City (61) and Kolar Gold Field (52) the rates were lower.

Attack-rates, death-rates and fatality-rates.—These rates are computed from the daily returns compiled and studied in the Bureau, as the monthly returns which are obviously more correct do not contain figures for attacks. The following Table gives the attack-rates, death-rates and fatality-rates in the affected populations in the Districts and Cities as per daily returns.

Dis	strict		Population Affected	Attacks	Deaths	Attack Rate per mille	Death Rate per mille	Fatality Rate per 100 Attacks
Bangalore Chitaldrug Hassan Kadur Kolar Mysore Shimoga Tumkur		··· ··· ··· ··· ··· ··· ···	2,68,030 1, <b>3</b> 3,509 35,550 35,499 1, <b>6</b> 2,155 2, <b>6</b> 8,687 70,878 52,706	551 863 213 153 661 788 711 240	333 529 142 115 334 509 369 119	2.06 6.46 5.99 4.31 4.08 2.93 10.03 4.55	1·24 3·96 3·99 3·24 2·06 1·89 5·21 2·26	60·4 61·3 66·7 75·2 50·5 64·6 51·9 49·6
Mysore State		• • •	10,27,014	4,180	2,450	4.07	2:39	58.6
Bangalore city Mysore city Kolar Gold Fie	• • •	•••	1,90,440 1,14,937 84,237	149 259 60	117 170 37	0·78 2· <b>2</b> 5 0·71	0.61 1.48 0.44	78.5 6 <b>5</b> .6 <b>6</b> 1.6

#### SMALLPOX (TABLE 9).

Smallpox Deaths.—The number of deaths reported under smallpox was 4,521 as compared with 2,801 in the preceding year, showing an increase of 1,720 deaths. This increase had been forecasted months before in 1933 and it may perhaps be stated that because of the precautionary measures taken the number of deaths was kept low.

In the following 13 Taluks more than 100 deaths were reported: Krishnarajpet (359), Krishnarajnagar (237), Malavalli (237), Molakalmuru (200), Seringapatam (193), Gundlupet (188), Kankanhalli (183), Goribidnur (169), Hunsur (169), Channapatna (135), Belur (134), Srinivaspur (118) and Hoskote (104).

In the case of Municipalities more than 25 deaths were reported in only five instances: Bangalore City (163), Mysore City (52), Kolar Gold Field (50), Sidlaghatta (32) and Belakawadi (26).

Monthly Incidence of Smallpox.—Deaths from small-pox were distributed as follows in the different months of the year:—

P Ale Michigan (Managaman, Affair ann adam an ann a	TA IF	A T		Deaths from	Per cent of Total		
	Mon	ıtn		Smallpox	1934	1933	
January February March April May June July August September October November December				164 178 357 298 393 376 436 453 370 329 460 707	3·63 3·94 7·90 6·59 8·69 8·32 9·64 10 02 8·18 7·28 10·17 15·64	8·93 10·17 13·92 14·32 12·39 8·75 7·78 5·39 4·32 4·71 3·39 <b>5</b> ·93	
		Total	•••	4,521	100.00	100.00	

The maximum incidence was noticed in December and the lowest in January. Whereas in the previous year the incidence tended to decrease towards the end of the year, the converse was observed in the year under report.

Map 5 illustrates the distribution of the deaths in the Taluks.

Smallpox Death-Rates per 100,000. - Assuming that the reported figures are correct it may be stated that the mortality rate during the year was 68 against 43 in the previous year. The rates in the Districts were in order: Mysore (125), Bangalore (82), Kolar (81), Hassan (49), Chitaldrug (41), Tumkur (28), Shimoga (15) and Kadur (11). The rates in all the districts were higher than in the preceding year.

The rates in the Cities were: Bangalore City (86). Kolar Gold Field (59), and Mysore City (45), the corresponding rates in the previous year being 12, 5 and 29,

respectively.

Attack-rates, death-rates and fatality-rates.—The following Table gives for each of the Districts and Cities the attack-rates death-rates and fatality-rates per mille of the affected population as per daily returns.

Dist	trict	Population Affected	Attacks	Deaths	Attack Rate per mille	Death Rate per mille	Fatality Rate per 100 Attacks
Bangalore		1,29,389	736	221	5·69	1.71	30·03
Chitaldrug		55,332	887	181	16·03	3.27	20·41
flassan		29,945	121	25	4·04	0.83	20·66
Kadur		18,979	75	9	3·95	0.47	12·00
Kolar		1,97,572	2,251	445	11·39	2.25	19·77
Mysore		1,9 <b>5</b> ,350	1,213	288	6·21	1.47	23·74
Shimoga		46,945	86	14	1·83	0.30	16·28
Tumkur		38,870	165	12	4·24	0.31	7·27
Mysore State		7,12,382	5,534	1,195	7.77	1.68	21.59
Bangalore City	• • • • • • • • • • • • • • • • • • • •	190,440	449	152	2·36	0.80	33·85
Mysore city		114,937	120	49	1·04	0.43	40·83
Kolar Gold Fie		84,237	352	51	4·18	0.60	14·49

#### CHOLERA (TABLE 10).

Cholera Deaths.—During the year a total of 346 deaths was reported under this cause against 90 in the previous year. Of these 181 were male and 165 female. More than 50 deaths were reported in Bangalore and Mysore Districts and less than ten in Kadur District. In the descending order the Districts may be arranged as follows: Mysore (97), Bangalore (89), Kolar (47), Chitaldrug (35), Hassan (32), Tumkur (27), Shimoga (10) and Kadur (9).

No case of cholera was reported in Mysore City, whilst Bangalore City reported as many as 33 deaths and Kolar Gold Field one death.

Map 6 illustrates the distribution in Taluks.

Monthly Incidence of Cholera.—The few reported deaths from Cholera were distributed as follows:—

	7.5 (1)			Deaths from	Per cent of Total		
	Mont	Ω	Cholera		1934	1 <b>9</b> 33	
January February March April May June July August September October November				3 5 12 22 25 14 11 29 20 101 58	0.86 1.45 3.47 6.36 7.23 4.05 3.18 8.38 5.78 29.19 16.76	2·22  1·11 12·22 10·00  3·33 17·78 26·67	
December	···	Total	•••	346	13.59	25.26	

The incidence is so small that it is difficult to draw any conclusions. October and November reported a few cases, which comparatively speaking, may be regarded as

somewhat significant.

Cholera Death-Rates per 100,000.—The incidence of the disease was thus insignificant all over the State. The rate of mortality was 5 during the year against 1 in the previous year. The rates in the Districts were: Bangalore (8, Mysore (6), Chitaldrug (5), Hassan (5), Kolar (5), Kadur (3), Tumkur (3) and Shimoga (2). Bangalore City had the highest rate of 17 and Kolar Gold Field 1.

On the whole, it may be stated that Mysore State is free from endemic cholera and that a few imported cases occur here and there.

Attack-rates, death-rates and fatality-rates.—The following statement gives these rates for the Districts and Cities as per daily reports:—

D	istrict	Population affected	Attacks	Deaths	Attack Rate per mille	Death Rate per mille	Fatality Rate per 100 Attacks
Bangalore Chitaldrug Hassan Kadur Kolar Mysore Shimoga Tumkur	•••	 2,09,152  87,012 1,28,791 1,077	47   14 21 2	34   7 12 0	0·22  0·16 0·16 1·86	0·16  0·08 0·09 0·00	72·34  50·00 57·10 0·00
Mysore State  Bangalore city Kolar Gold F	• • • •	 4,26,032 190,440 114,937 84,237	84 35 2 2	53 31 1 1	0·20 0·18 0·02 0·02	0·12 0·16 0·01 0·01	88.6 50.0 50.0

#### MALARIA (TABLE 11).

Figures included under Fevers. Separate figures are available in the new Death Registers and will be discussed in the next Annual Report.

### TYPHOID (TABLE 12).

Figures included under Fevers. Separate figures will be published in the Annual Report for 1935.

#### OTHER FEVERS (TABLE 13).

Fever Deaths.—Table 13 contains under this head all deaths reported as due to Fevers.

A total of 56,502 deaths was reported during the year against 51,370 in the preceding year. The excess of 5,132 deaths under this cause was due chiefly to increased mortality in Mysore, Bangalore and Tumkur Districts. As compared with the previous year a considerable decrease was reported in Chitaldrug, Kadur and Shimoga Districts. The incidence in Hassan and Kolar Districts was the same as in the preceding year.

The severity of the incidence in the Taluks may be gathered from the following list of 18 Taluks reporting more than 1,000 deaths each in the year under report:—

Sira (2,878), Chitaldrug (1,603), Hiriyur (1,467) T. Narsipur, (1,446), Challakere (1,435), Pavagada (1,360), Malvalli (1,275), Krishnarajpet (1,223), Kankanhalli (1,162) Madhugiri (1,110), Arsikere (1,078), Chamarajnagar (1,068) Jagalur (1,063), Goribidnur (1,045), Chicknaikanhalli (1,040), Maddur (1,021), Channarayapatna (1,004), Nagamangala (1,003).

Excess of Fever Deaths accounts for the Excess in Total Deaths.—As compared with the previous year the excess, in the number of deaths reported was 7,582 of which 5,132 or 68 per cent were due to Fevers alone. As a basis for comparison, taking the Taluks reporting 400 deaths in excess over the figures for the previous year into consideration, the following tabular statement is prepared:—

	Taluk ,		Excess of Total Deaths	Excess of Fever Deaths
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	Malvalli Sira Goribidnur Pavagada Krishnarajpet Madhugiri Gundlupet Krishnarajnagar Nanjangud Maddur Hunsur TNarsipur Channapatna Kankanhalli	(Yedatore) Total	 +872 $+837$ $+737$ $+619$ $+613$ $+607$ $+522$ $+522$ $+516$ $+467$ $+467$ $+459$ $+454$ $+8,201$	+616 +847 +437 +348 +309 +349 +185 +397 +286 +868 +288 +822 +221 +573 

In each of these 14 Taluks the reported deaths in 1934 exceeded those in 1933 by more than 400. The corresponding excess in reported Fever deaths shows that a large part of the excess in total deaths is due to deaths from Fevers. The total excess for the 14 selected Taluks is 8,201 of which as many as 6,546 are accounted for by excess in Fever deaths alone.

In this connection it should be mentioned that there were four Taluks which recorded at least 400 deaths less

than in the previous year. These were:

Taluk				Deficit in Total Deaths	Deficit in Fever Deaths
1. 2. 3. 4.	Davangere Harihar (Sub) Tarikere Mulbagal	• ¢ • • • • • • • • • • • • • • • • • •		-1,106 $-1,084$ $-678$ $-549$	-481 -457 -374 -276
		Total	• • •	3,417	<b>—1,5</b> 88

This again shows that if the number of deaths decreases, it is again due to the decrease in Fever deaths.

Roughly speaking, it may be stated that the Fever deaths form the barometer of general health. On this basis it is obvious that an investigation is called for in the Taluks which have reported excess of deaths from fevers successively for two years or more.

Monthly Incidence of Fever Deaths.—A study of the monthly percentage of incidence appears to be interesting.

Month			Reported	Per cent of Total Deaths			
MOHUI		Deaths	1934	1933			
January			5,451	9.65	7:09		
February		• • •	5,078	8.39	5.46		
March		• • •	9,167	16.22	6.99		
April		***	7,253	12.84	6.71		
May		• • •	4,760	8.42	7.05		
June		• • •	4,038	7.15	7.50		
July		• • •	4,112	7.28	8.07		
August		•••	4,043	7.15	7.42		
September		• • •	3,533	6.25	7.68		
October		• • •	3,023	5.35	10.07		
November			2,962	5.24	13'33		
December		•••	3,082	5.46	12.63		
	Total	• • •	56,502	100.00	100.00		

Towards the end of 1933 the incidence rose suddenly in October and continued to be severe not only till the end of December of that year but on to the end of April 1934. Thereafter there was a downward trend till the close of the year under report. Further study is necessary before any statement could be made on the seasonal and long term periodicity of the fever epidemics.

Fever Death-Rate per 100,000.—The death-rate during the year was 854 against 784 in the previous year. In the descending order of the rates, the Districts may be arranged thus:—Chitaldrug (1293), Tumkur (1071), Mysore (968), Shimoga (871), Hassan (869), Kadur (796), Kolar (540) and Bangalore (510).

The incidence in Bangalore City was more than double that of 1933, whilst in Mysore City it was approximately one-half. In Kolar Gold Field the incidence was about the same as in the previous year.

### Dysentery and Diarrhoea (Table 14)

Reported Deaths.—A total of 5,225 deaths was reported under this group against 4,824 in the previous year. Of these 2,826 were males and 2,399 females. In the City areas 1,379 deaths (or 26'4 per cent) were reported.

The maximum of reported deaths from this cause was 193 in T.-Narsipur Taluk, whilst the minimum was three in Chickmagalur Taluk.

More than 100 deaths were reported in the six Taluks mentioned below: T.-Narsipur (193), Tirthahalli (162), Chamarajnagar (142), Malvalli (137), Honnali (111) and Magadi (101).

Monthly Incidence.—As in the previous year the maximum incidence was in August and the minimum in March.

Death-rate per 100,000.—The death-rate from this cause was 79 as compared with 74 in the preceding year. In the order of incidence the Districts were: Shimoga (110), Bangalore (107), Mysore (104), Kolar (61), Hassan (56), Tumkur (51), Chitaldrug (49), and Kadur (45).

In the City areas the incidence was less than in the previous year, except in Mysore City where it was slightly higher.

#### RESPIRATORY DISEASES (TABLE 15).

Reported Deaths.—In the year under report 4,389 deaths were reported under this group, as compared with 3,314 in the previous year. Of these 2,454 were males and 1935 females. In the City areas 1,580 deaths (or 36.0 per cent) occurred, of which 1,081 were reported in Bangalore City, 323 in Mysore City and 176 in Kolar Gold Field.

The highest number of deaths reported was 130 in Kolar Taluk, whilst the lowest was one in Tarikere Taluk. More than 100 deaths were reported only in two Taluks, viz., Kolar (130), and Chamarajnagar (117).

Death-rate per 100,000.—The death-rates varied from 123 in Bangalore District to 30 in Kadur District. The order of incidence in the Districts was: Bangalore (123), Mysore (75), Kolar (64), Tumkur (52), Shimoga (42), Chitaldrug (40), Hassan (35) and Kadur (30).

In the Cities the rates were higher owing to the presence of hospitals and sanatoriums. The rates were: Bangalore City (568), Mysore City (281) and Kolar Gold Field (209).

#### Consumption (Table 16).

As in the case of Malaria and Typhoid, the figures separately under this head will be discussed in the next year's report. The statistics for this year are included under Respiratory Diseases as in previous years.

### LEPROSY (TABLE 17).

As complete figures for the whole State are not available, a detailed report will be made next year.

Morbidity.—In the year 1934, 991 out-patients were treated in Dispensaries. The distribution of treatment in the different months was as follows: January (100), February (192), March (352), April (10), May (64), June (19), July (90), August (78), September (20), October (23), November (31), and December (11).

Hospital Statistics.—At the Leper Asylum, Bangalore City, 191 persons (70 Old and 121 New) were treated as in-patients. Of these 148 were males, 38 were females and five boys. Out of this number, eight died during the

year, 45 were discharged with the disease relieved, whilst 63 were discharged otherwise. Seventy-five patients were still under treatment at the close of the year.

#### CHILD-BIRTH (TABLE 18).

Deaths from this cause are included probably under "All Other Causes." In the new Death Registers not only a separate column has been opened for deaths from Childbirth but very many useful information will be available also for the study of maternal mortality. It is proposed to discuss the statistics in detail in the next Annual Report.

Hospital Statistics.—The following statement gives the number of labour cases conducted in the Maternity Hospitals and Female Dispensaries in different parts of the State. It also contains the total number of maternal deaths that occurred in these institutions in 1934 with particulars of the different causes. As the rate of maternal mortality computed from these figures alone is apt to be taken to be the true rate, which is more likely to be less than more, it has been thought best to present the figures as such without any comment made on them.

Statistics of Labour Cases conducted, and the different Causes of Deaths from Child-birth in the Maternity Hospitals and Female Dispensaries in Mysore State in the year 1934.

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			Bangalore Channapatna	Chikballapur Chikmagalur	Chintamani	Davangere	าเกเ	Kolar		Mudgere	•	Nanjangud	Sagar Saklespur		Shimoga	•	Tumkur	Total
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#### Injuries (Table 19.)

Reported Deaths.—During the year 1,379 deaths were reported as due to injuries as against 1,229 in the previous year. The increase of 150 deaths under this head may largely be due to the improvement in the reporting.

Of these deaths 167 occurred in City areas, 91 in Kolar Gold Field, 59 in Bangalore City and 17 in Mysore City.

Monthly Incidence—May appears to be the month of maximum incidence and February that of the minimum.

Death-Rate per 100,000.—The computed rate for the year was 21 against 18 in the preceding year. The descending order of the Districts was: Kolar (27), Bangalore (25), Mysore (23), Chitaldrug (20), Tumkur (17), Hassan (15), Kadur (15) and Shimoga (14).

Classification of Injuries.—Table 19 includes all reported figures under Suicides, Drowning, Wounds and Accidents, Wild Beasts, Snake-bite and Rabies. But the following statement, kindly furnished by the Inspector-General of Police, is very interesting as these statistics refer to proved cases. Unfortunately details are not furnished for the Districts of Bangalore, Mysore, Kolar, Kadur and Tumkur and the Railway Administration.

Detailed Statement of (410) Deaths from Suicides, (492) Injuries and (212) Accidents in the Year 1934. (Reported by the Inspector-General of Police.)

Accidental Deaths	Other Causes Intell	3 14 58 7 37 117 117	212
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	IstoT	36 106 106 30 30 47 42 44 60 14 14	492
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	or T		
	District or City	Bangalore City Bangalore District Mysore District Hassan District Kolar District Railways Kolar Gold Fleld Chitaldrug District French-Rocks Shimoga District Kadur District Tumkur District	(Mysore State)

#### SUICIDE (TABLE 20).

As compared with 227 in the previous year a total of 218 (108 male and 110 female) suicides has been reported as per vital statistics returns, whilst the Inspector-General of Police has furnished the figure of 410. This is probably due to the fact that the Patels fail to record cases of suicides not immediately declared as such.

The distribution in the Districts was: Mysore (65), Bangalore (39), Kolar (32), Chitaldrug (28), Tumkur (23),

Shimoga (22), Hassan (6) and Kadur (3).

Bangalore City reported 7 suicides, Mysore City 4 and Kolar Gold Field 3.

#### Drowning (Table 21).

Complete figures are being collected in the New Death Registers and these will be studied in the Report for 1935.

As per figures furnished by Inspector-General of Police the number of deaths due to drowning was 265, of which 77 were suicides and 188 accidents.

#### Wounds and Accidents (Table 22).

In the case of Wounds and Accidents a total of 920 deaths was reported against 831 in the previous year. Of these 499 were males and 421 females. The incidence in the Districts may be arranged thus: Mysore (232), Bangalore (197), Kolar (177), Tumkur (98), Hassan (75), Chitaldrug (68), Shimoga (41) and Kadur (32).

Kolar Gold Field reported 87 deaths from these

causes, Bangalore City 50 and Mysore City 12.

#### WILD BEASTS (TABLE 23).

During the year 241 deaths were reported as due to injuries caused by wild beasts as against 171 in the previous year. This figure also includes deaths from snake-bites and probably also deaths due to dog-bites. As mentioned in the last report more males (145) than females (96) died of these causes. The distribution in the Districts was: Mysore (59), Bangalore (45), Chitaldrug (39), Tumkur (33), Kolar (26), Kadur (18), Shimoga (13) and Hassan (8). The month of maximum incidence (42) was July and that of minimum incidence (6) was February. Bangalore City reported two deaths whilst Mysore City and Kolar Gold Field only one death in each City.

#### SNAKE-BITE (TABLE 24).

Statistics of snake-bites are included under Wild Beasts. Separate classifications will be made next year.

#### RABIES (TABLE 25).

Separate statistics will be given in the Annual Report for 1935. The figures for this year are included under Wild Beasts.

#### ALL OTHER CAUSES (TABLE 26).

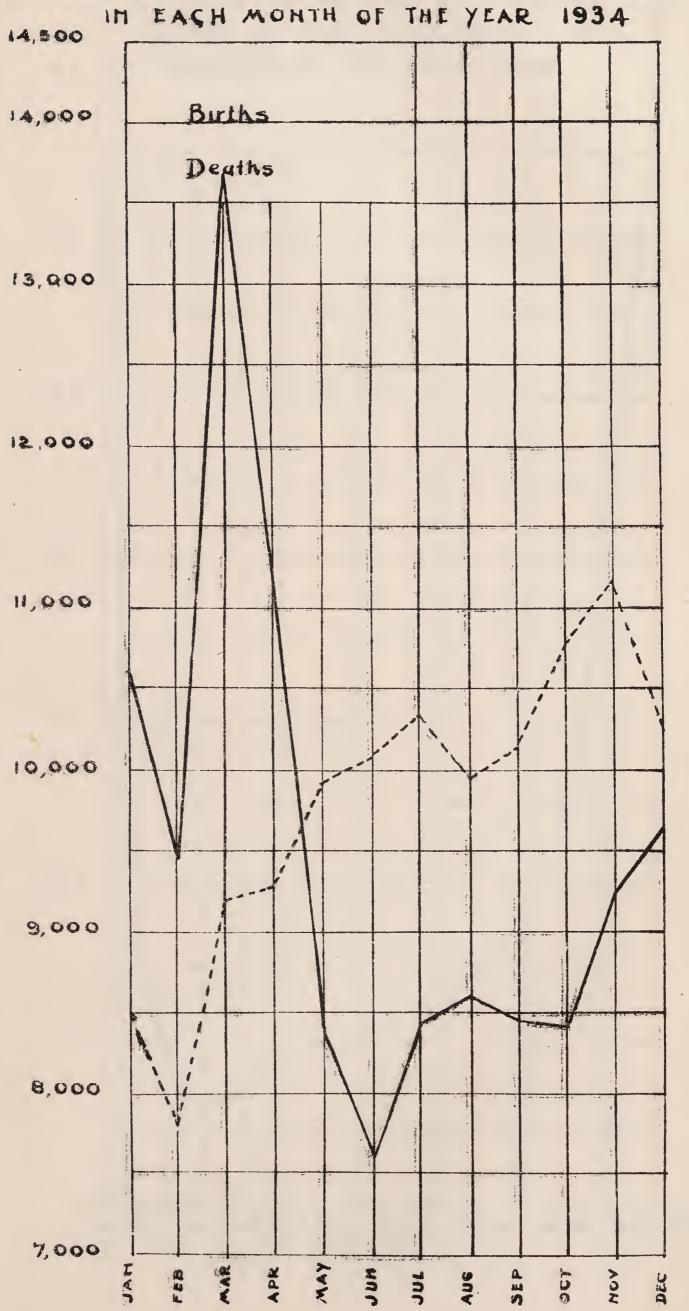
Reported Deaths.—In the year under report as many as 35,339 deaths were returned as unclassified, as compared with 33,397 in the previous year. In the Taluks the maximum number of deaths reported unclassified was 961 in Goribidnar Taluk and the minimum was 55 in Sringeri Taluk. Although these deaths are unclassified, it is obvious that a heavy mortality in any place must be due to some one, or a combination of the diseases not listed. Hence it would be interesting to know in what Taluks for instance, the deaths so reported exceeded 500 in the year under report. These 18 Taluks were: Goribidnur (961), Gubbi (879), Madhugiri (757), Chitaldrug (704), Channarayapatna (673), Pavagada (655), Davangere (654), Shimoga (629), Channagiri (604), Tiptur (574), Tumkur (567), Shikarpur (562), Anekal (560), Holalkere (557), Honnali (555), Tarikere (552) and Magadi (547).

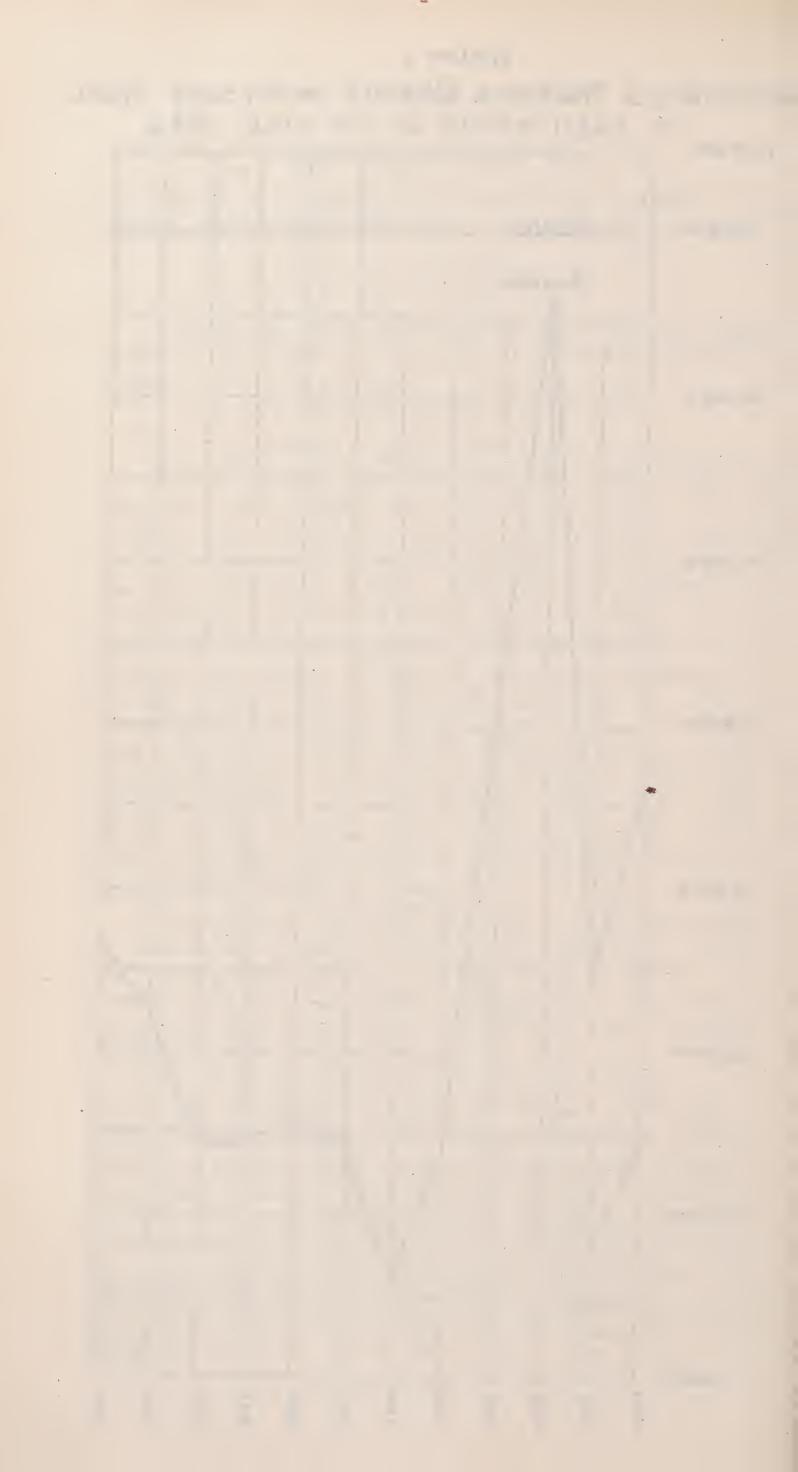
Percentage of Unclassified Deaths.—The percentage of unclassified deaths to total deaths was 31.11 during the year, against 33.39 in 1933 and 35.56 in 1932. It is possible that due to persistent propaganda in this regard relatively more and more deaths are being returned

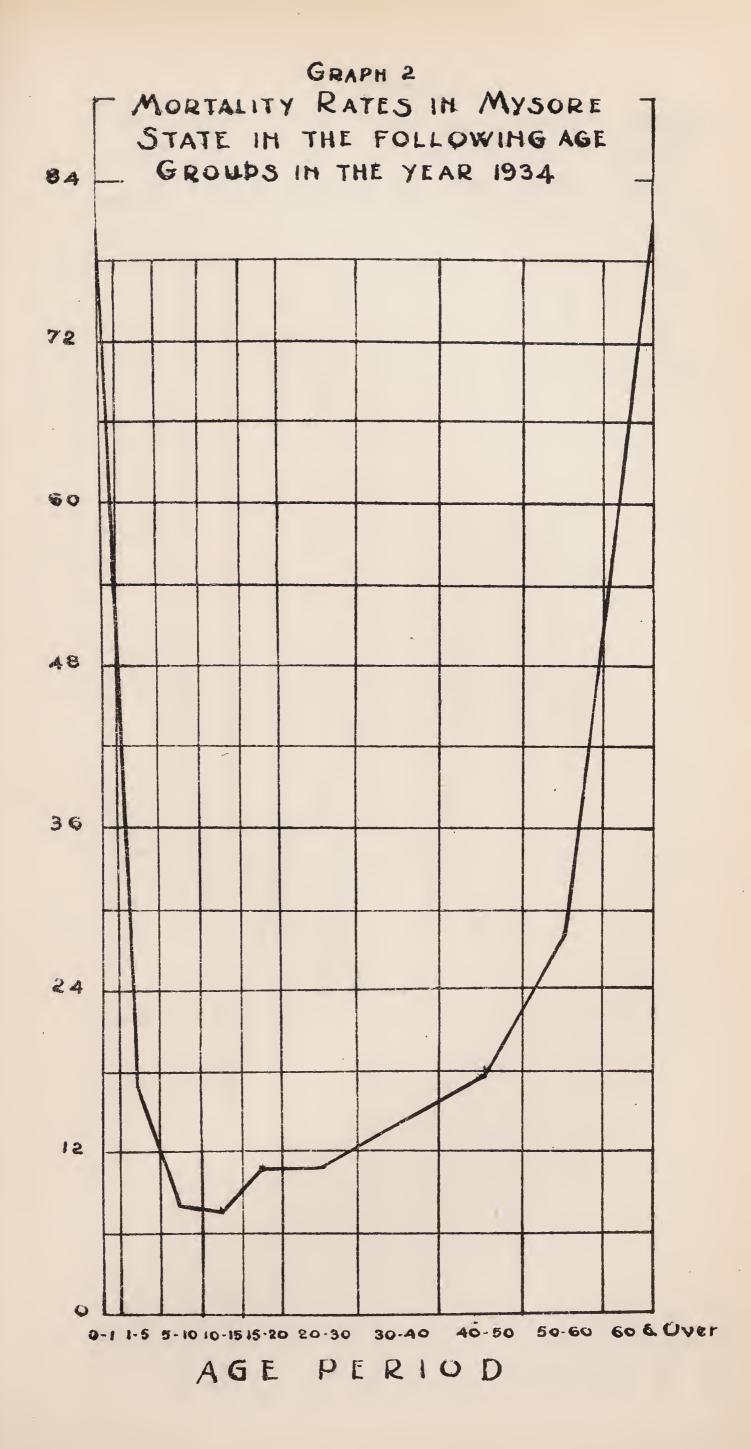
classified under the listed causes.

The Primary Registrars (Patels) are asked in the New Death Registers, to classify the deaths under one or other of the 18 Causes, viz., Plague, Smallpox, Cholera, Malaria, Typhoid, Other Fevers, Dysentery and Diarrhœa Respiratory Diseases, Consumption, Leprosy, Child-birth, Suicide, Drowning, Wounds and Accidents, Killed by Wild Beasts, Snake-bite, Rabies and All Other Causes. As these causes are presented in a tabular form the probability of returning the deaths under the lump heading of "All Other Causes" is minimized to a large extent.

REPORTED BIRTHS & DEATHS IN MYSORE STATE



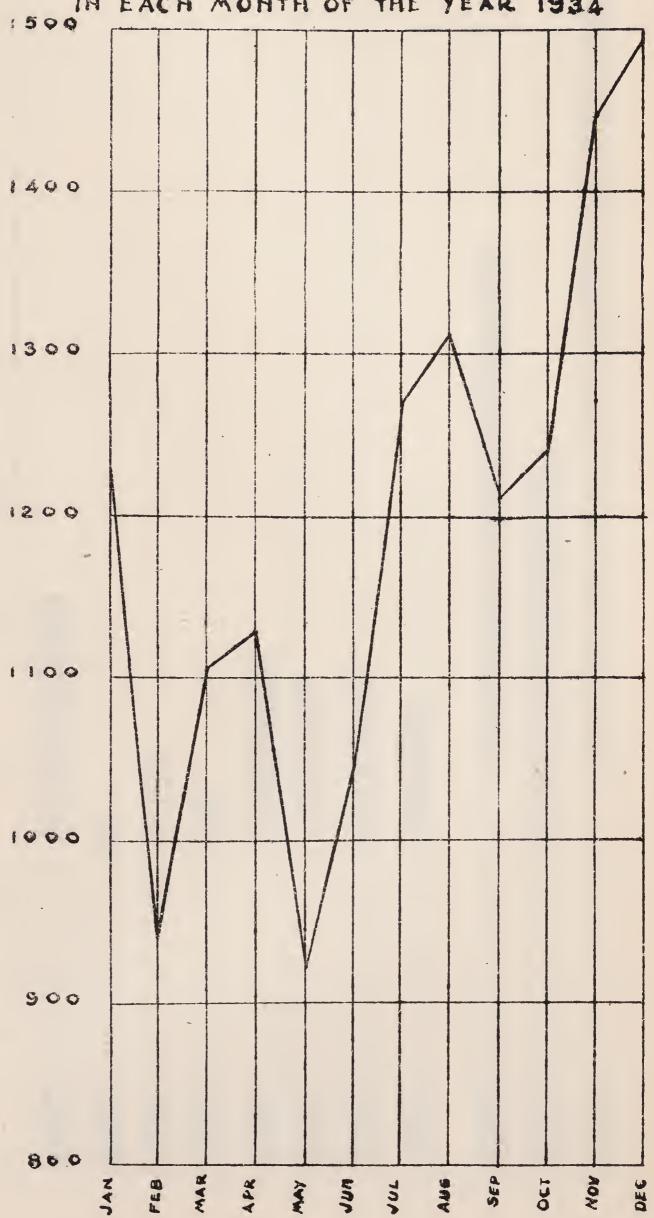




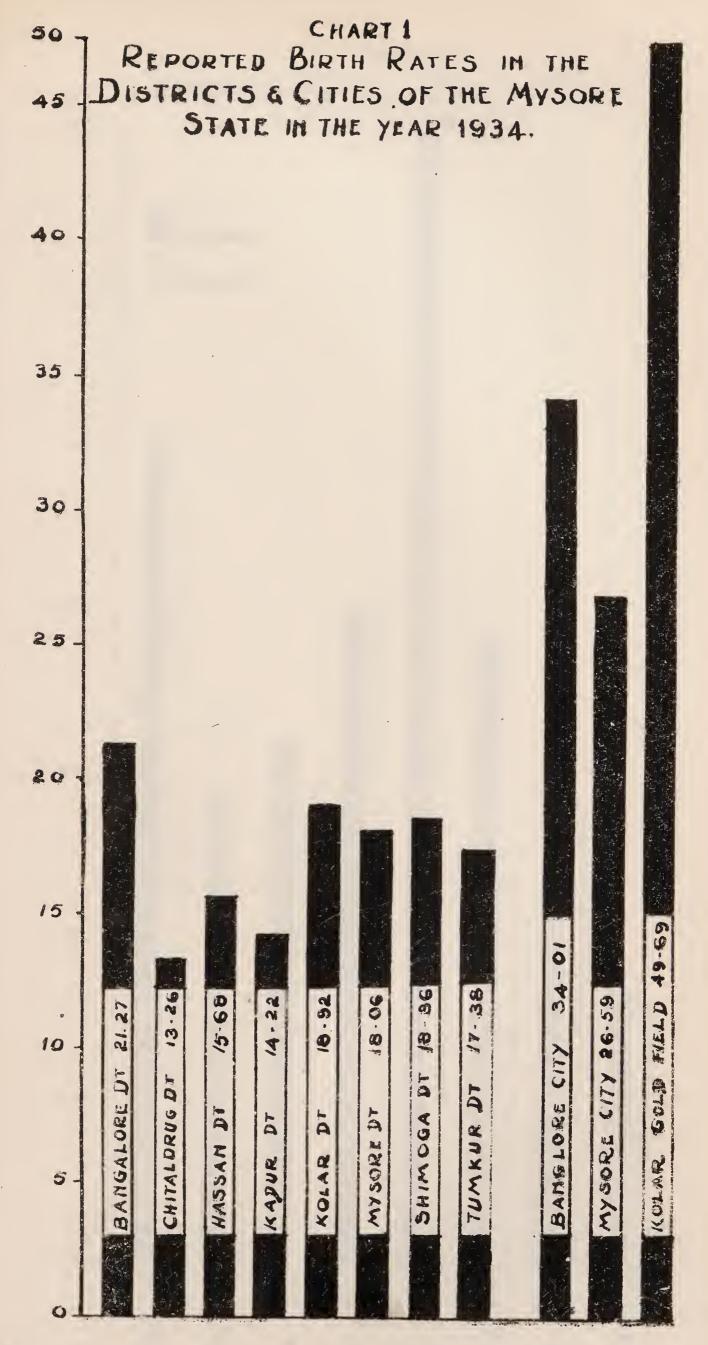


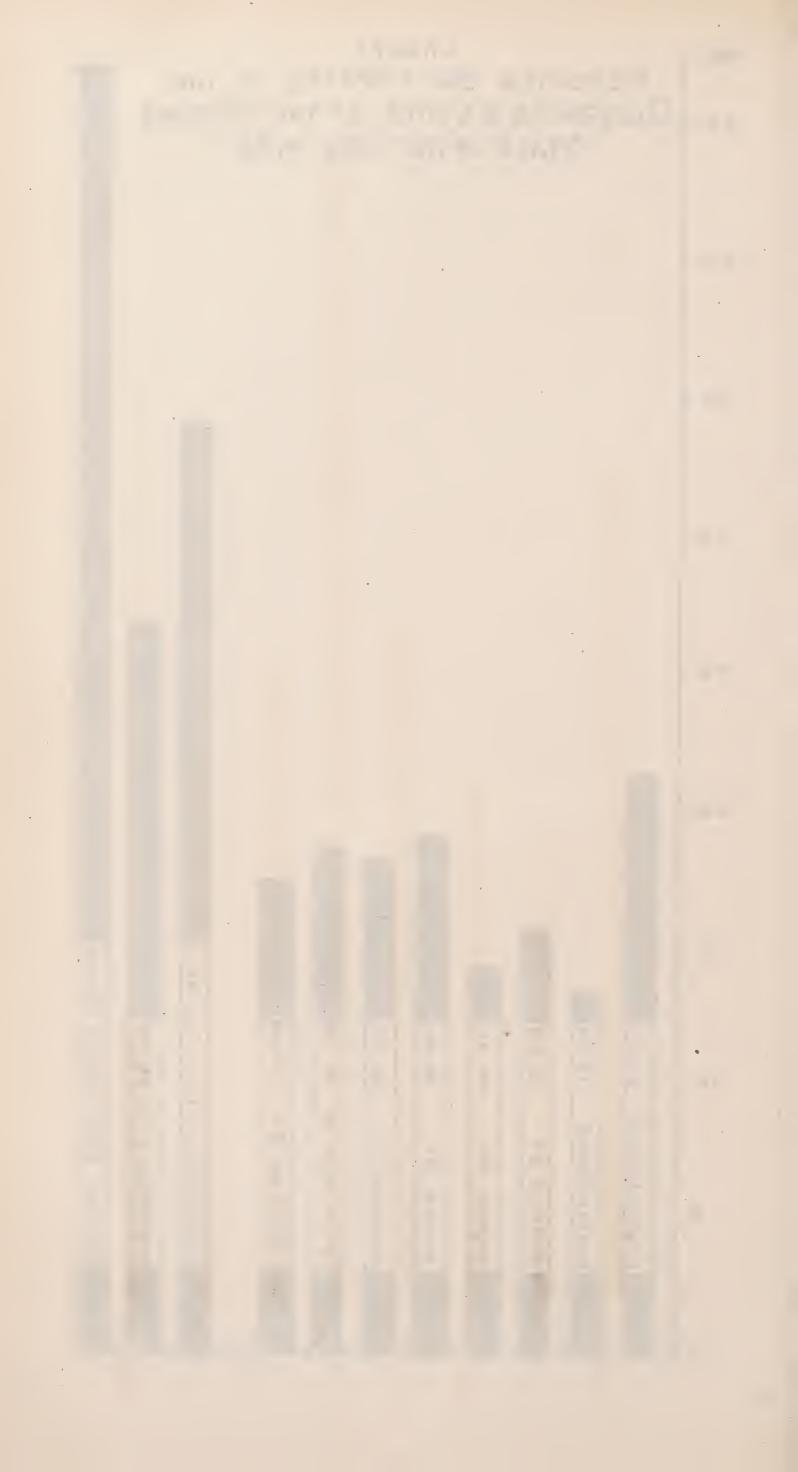
GRAPH 3

REPORTED DEATHS OF INFANTS UNDER ONE YEAR OF AGE IN MYSORE STATE
IN EACH MONTH OF THE YEAR 1934









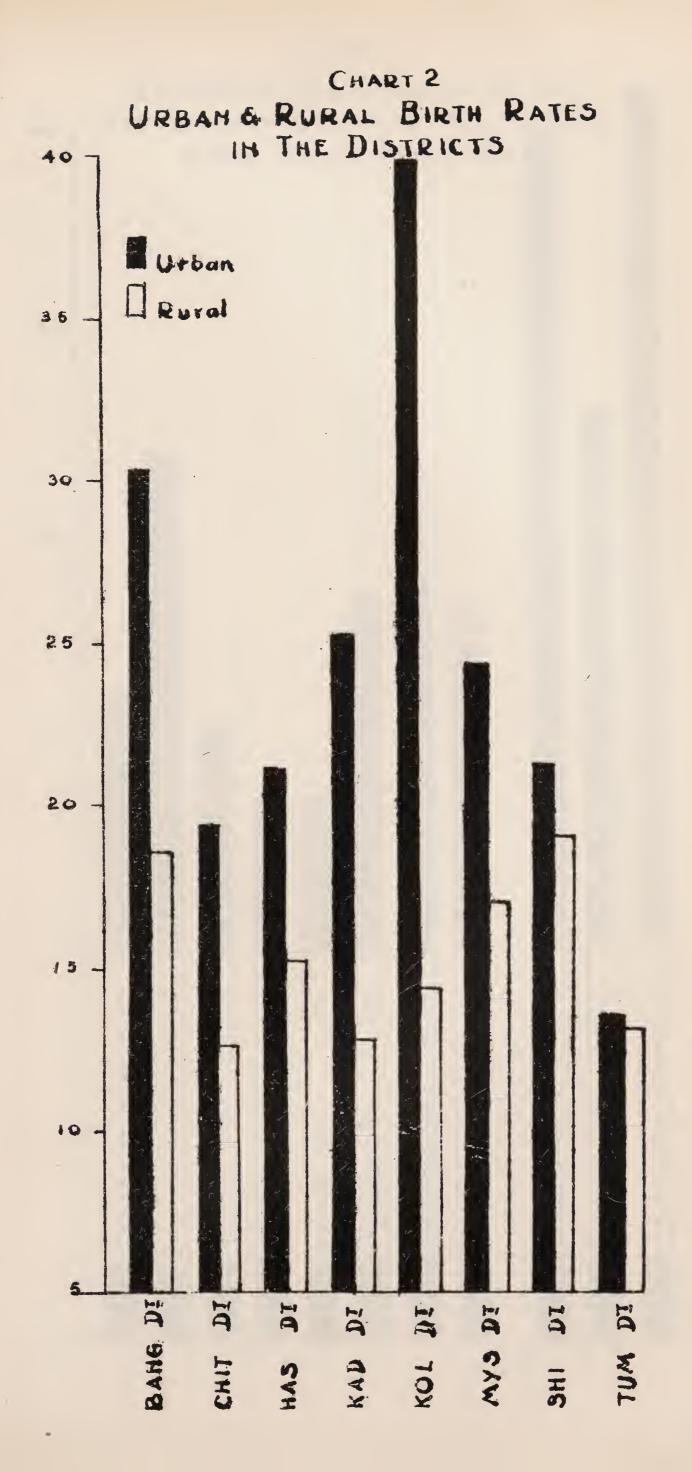
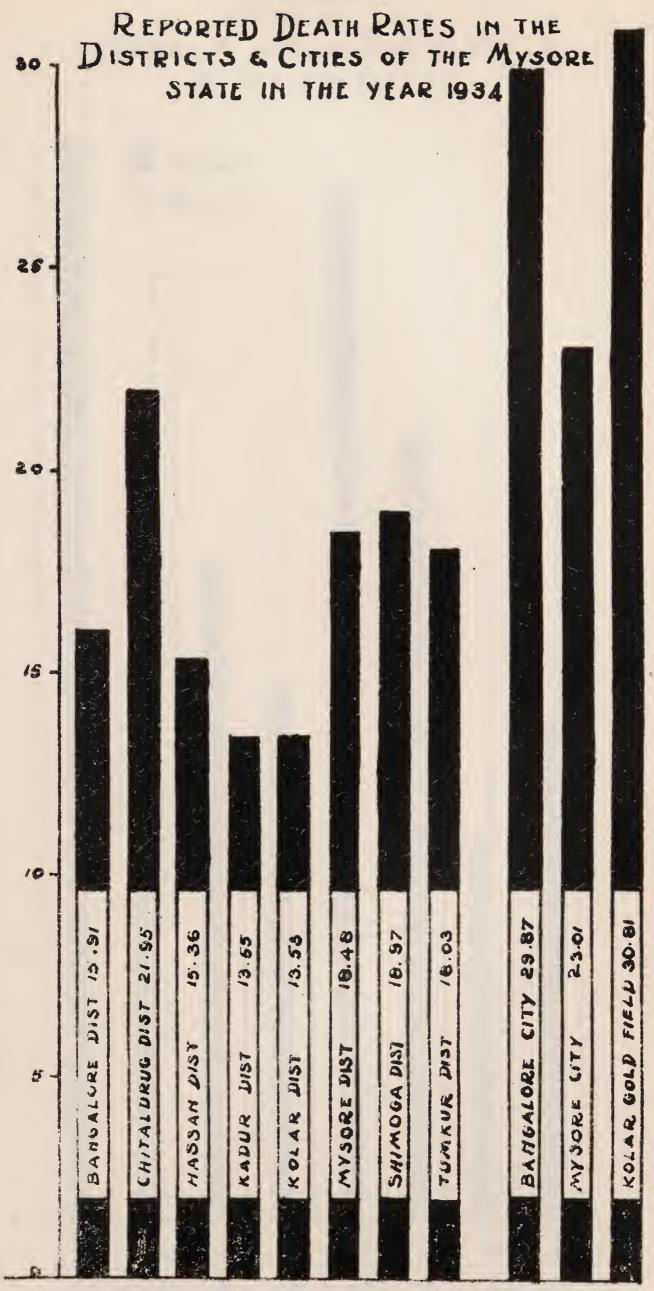




CHART 3



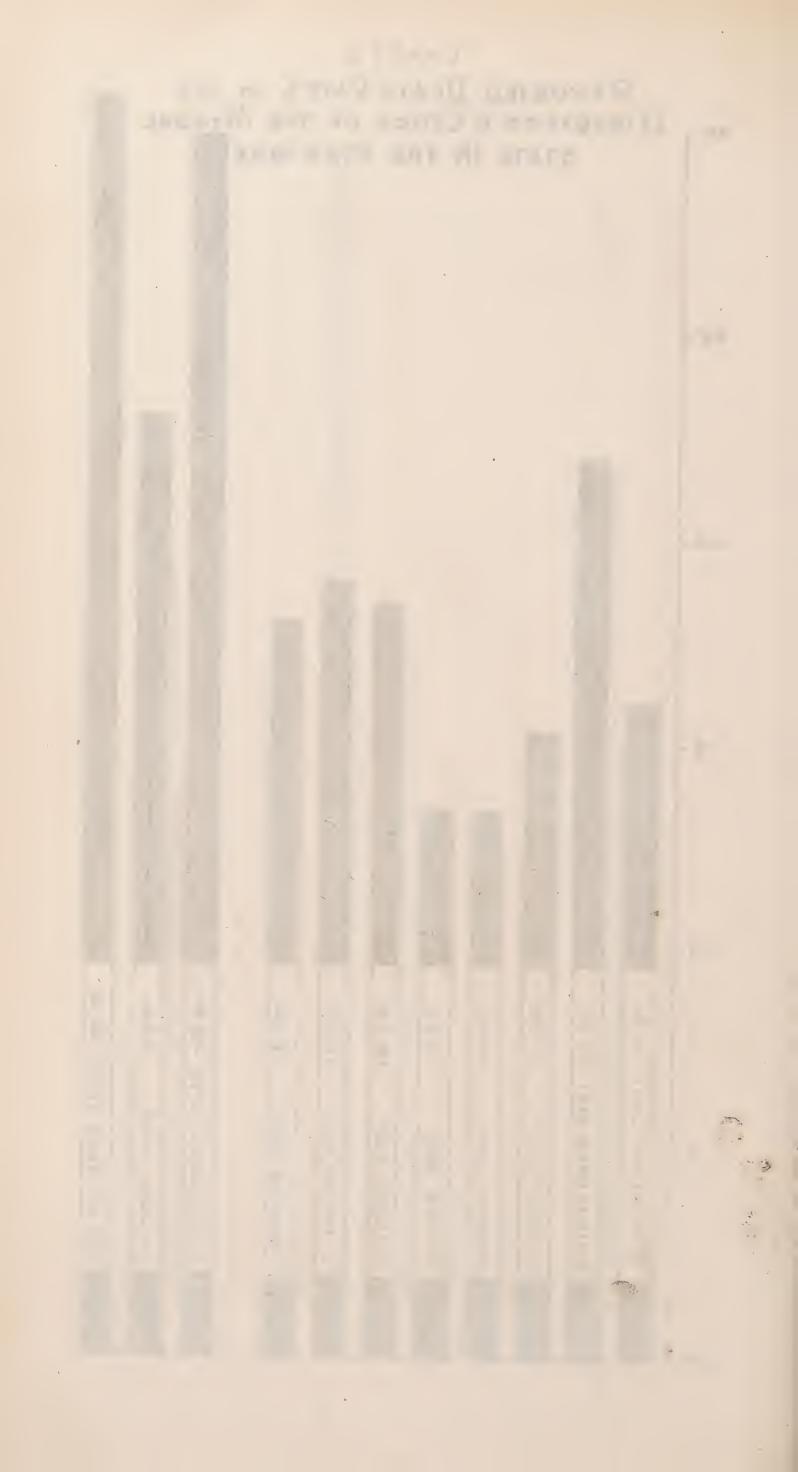


CHART 4
URBAH & RURAL DEATH RATES
IN THE DISTRICTS

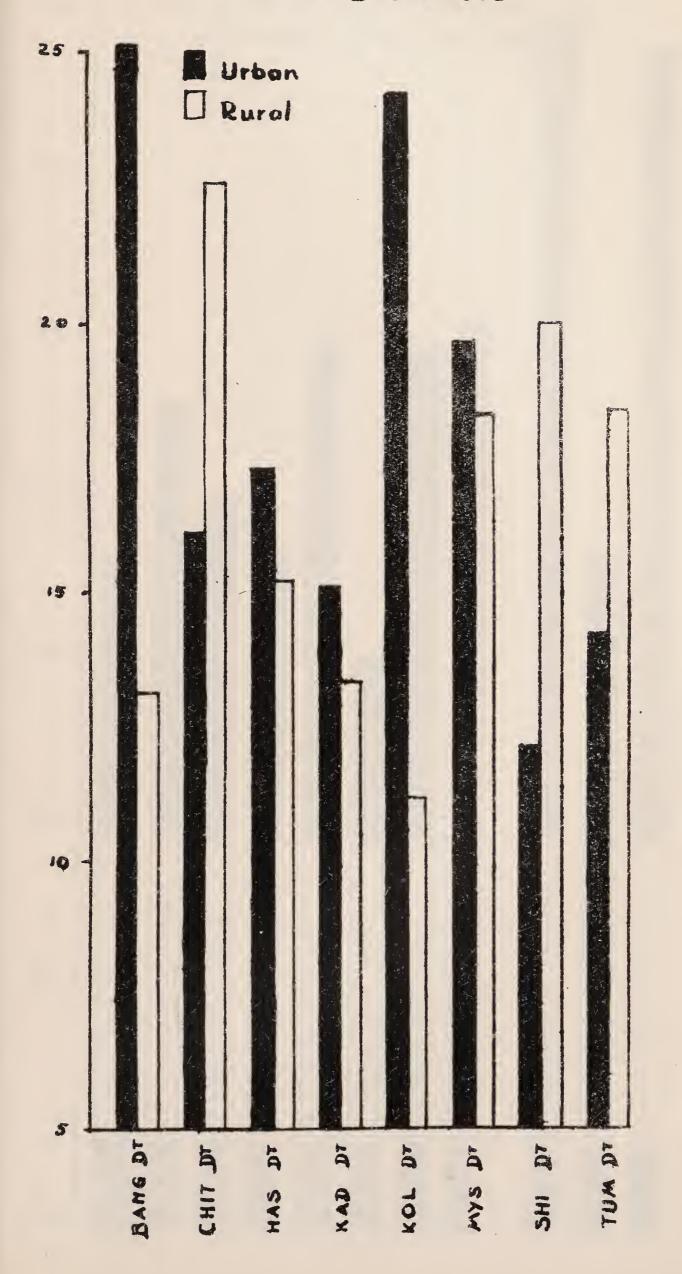
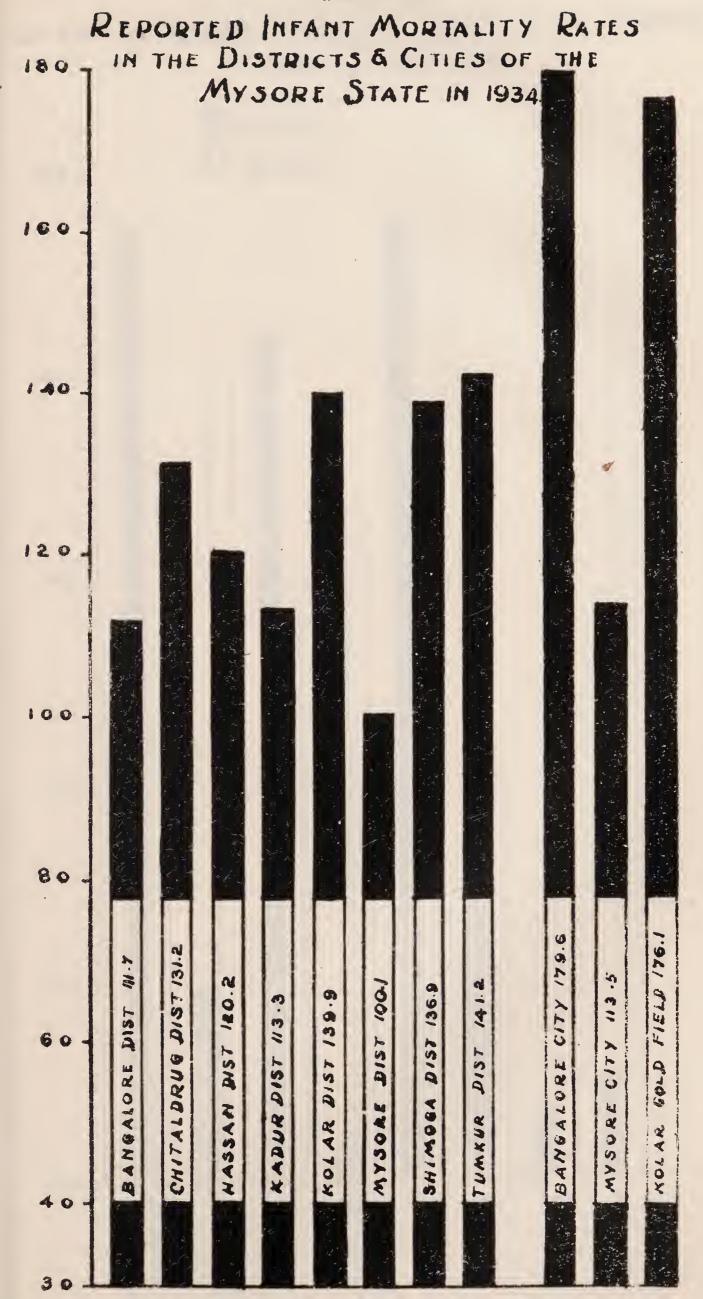
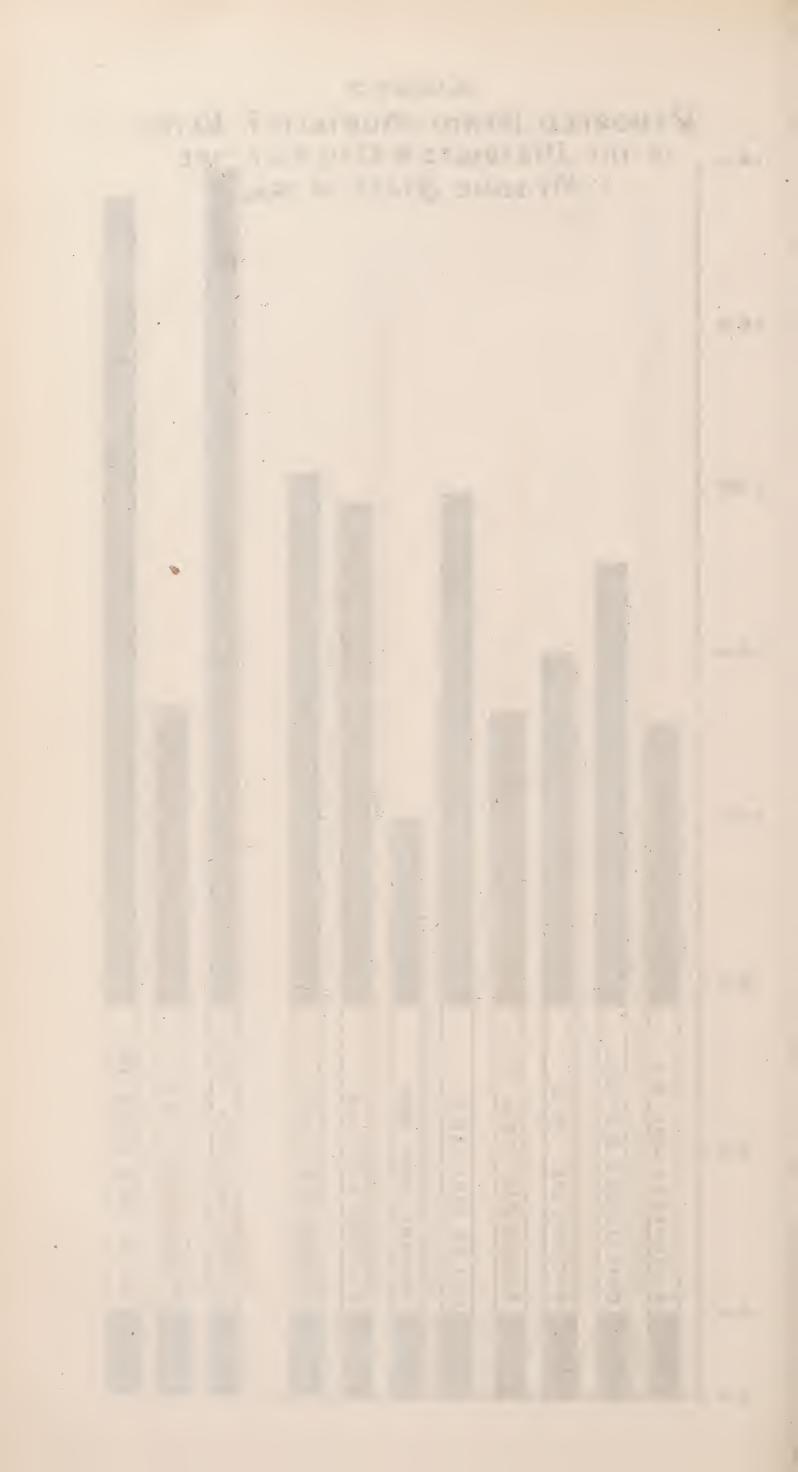


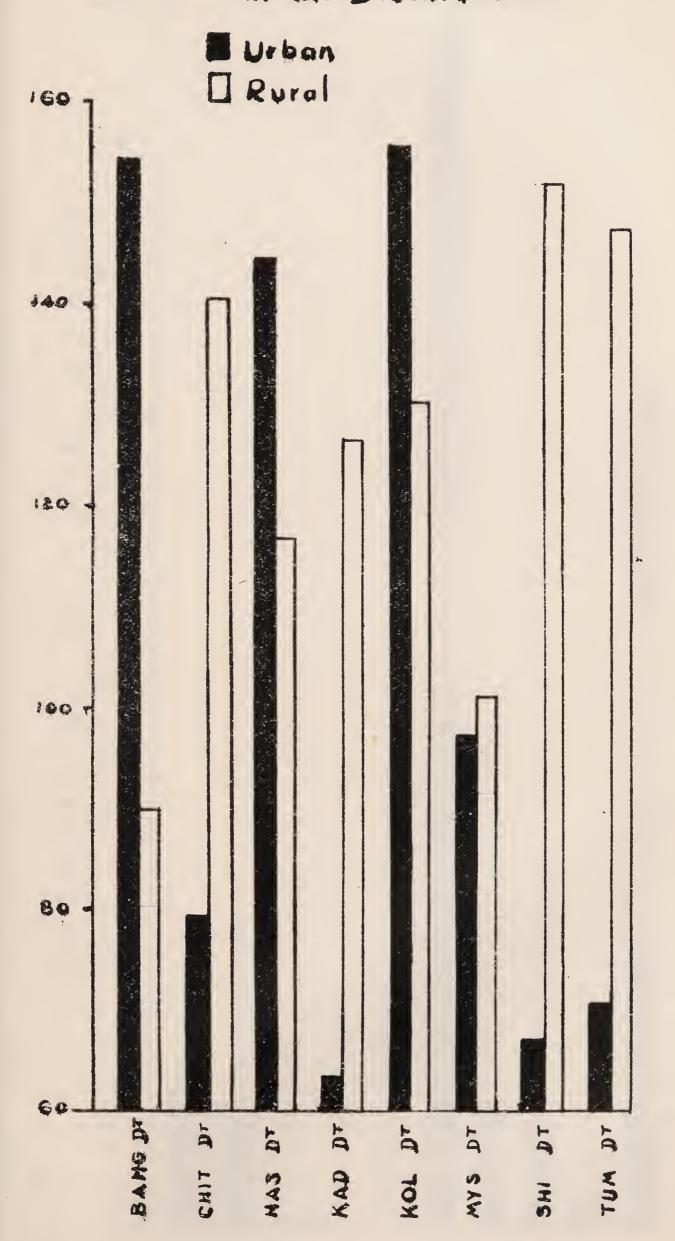


CHART 5





CHARTE URBAN & RURAL INFANT MORTALITY RATES IN THE DISTRICTS

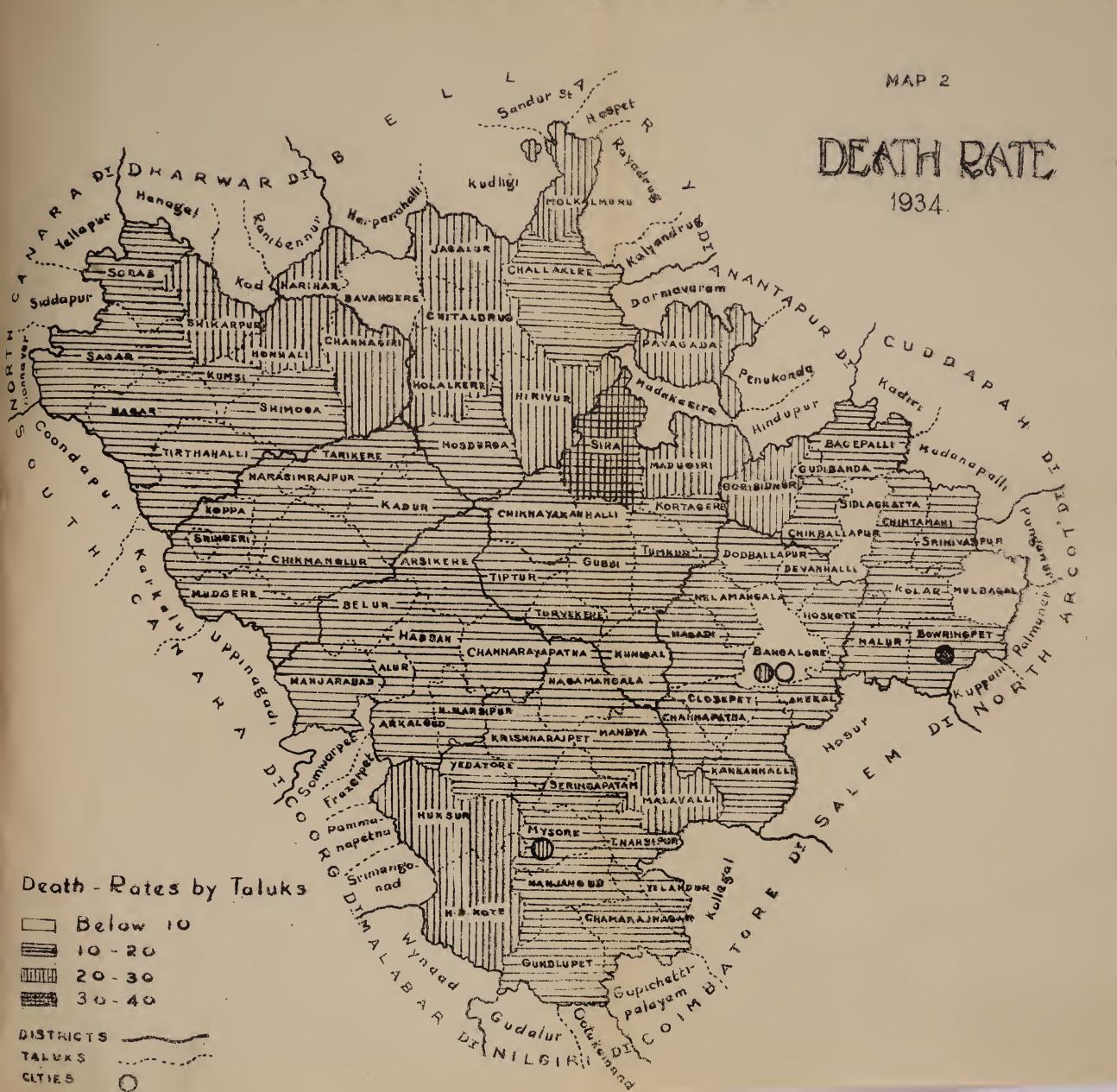




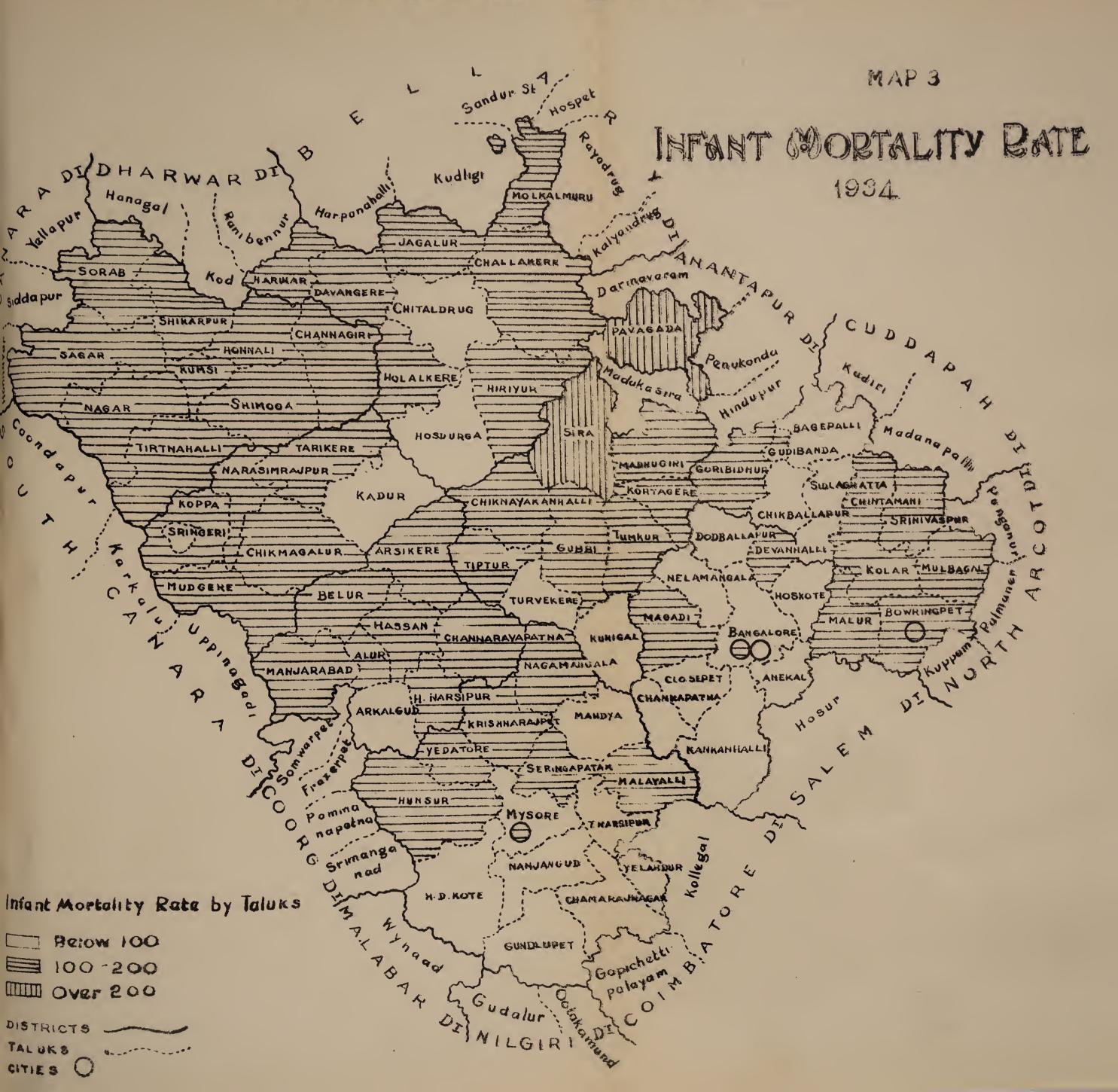








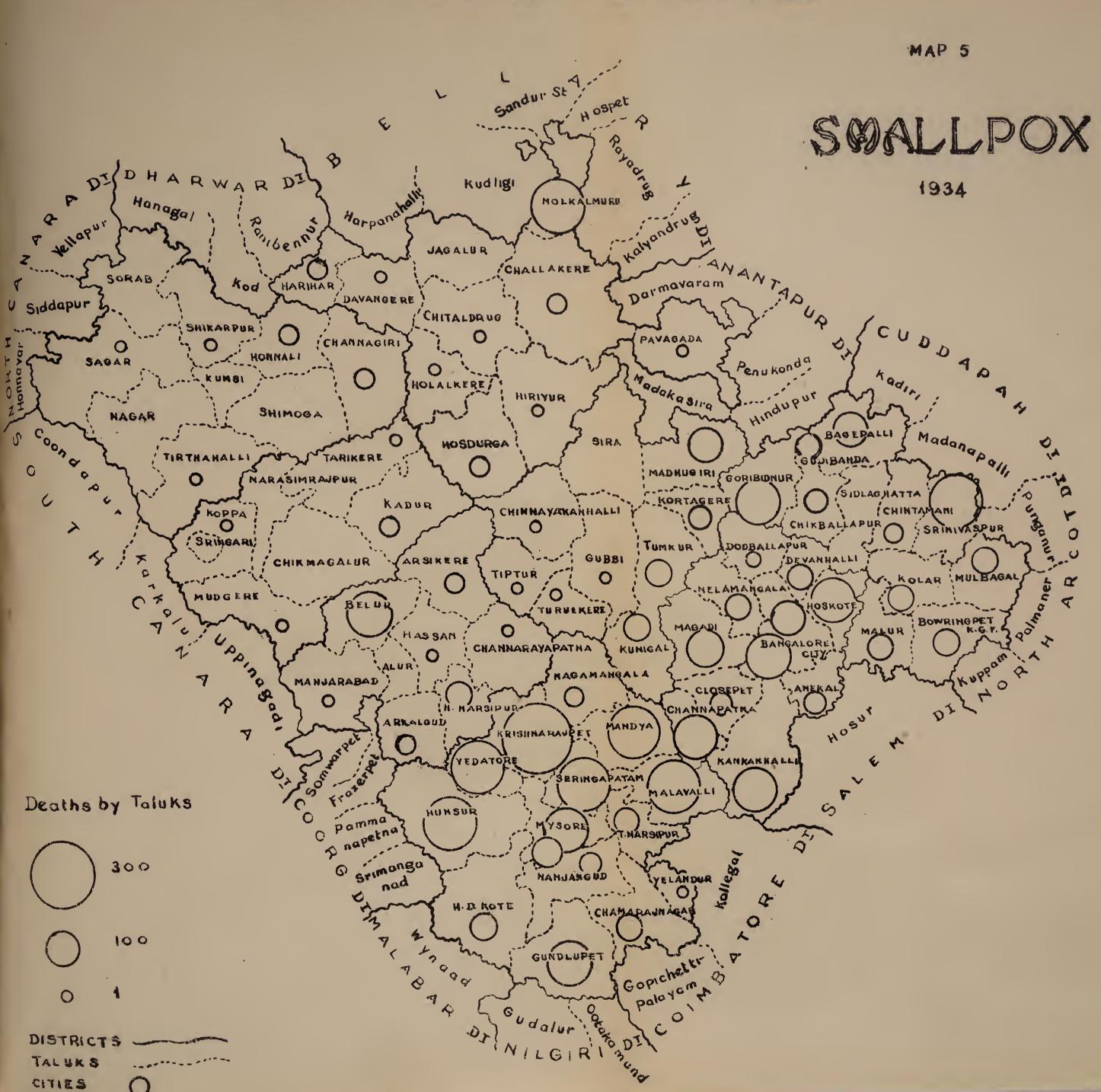














## MYSORE STATE

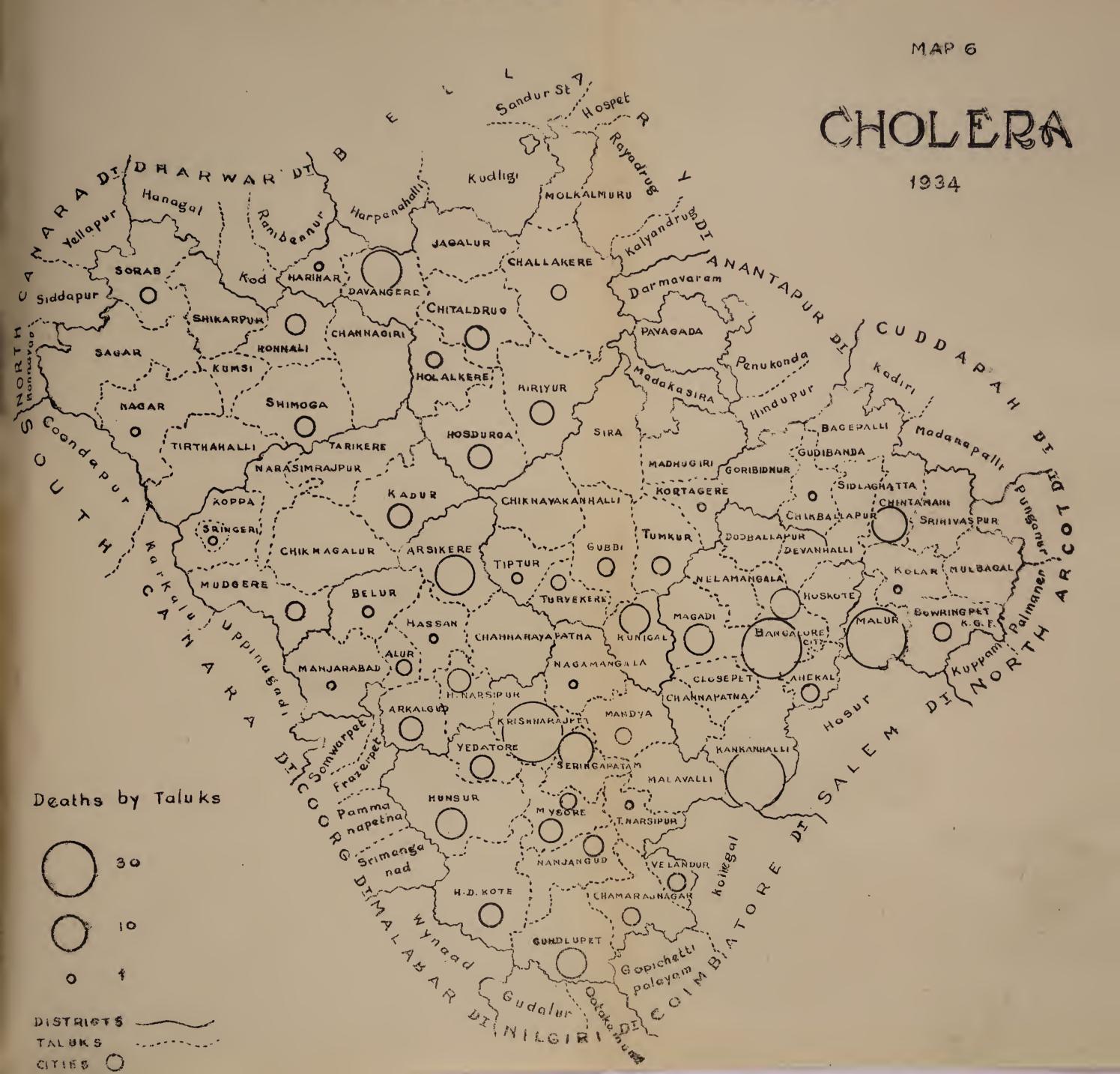




TABLE 1.

Reported Births in the Districts and Cities of the Mysore State in each Month of the Year 1934.

1933 19.22 17.90 14.15 15.16 16.57 Birth-Rate 15.68 18.92 18.06 21.2713.26 14.221934 Total Births 2,630 2,384 5,014 8,361 8,060 16,421 12,472 11,751 24,223 4,649 4,427 9,076 4,842 4,584 9,426 704 656 1,360 1,028 970 1,998 565 466 1,031 468 427 895 271 239 510 1,137 1,043 2,180 **December** 493 498 991 1,327 1,159 2,486 458 414 872 242 242 484 791 779 1,570 1,301 1,230 2,531 November 1,021 986 2,007 1,416 1,268 2,684 446 392 838 781 75**5** 1,**5**36 521 464 985 259 227 486 October 1,230 1,130 2,360 631 686 1,317 354 333 687 463 439 902 220 204 424 1,117 1,043 2,160 September 915 816 1,731 446 412 858 367 342 709 294 262 556 1,207 1,104 2,311 1,097 1,036 2,133 dauguA 448 415 863 344 353 697 1,096 1,066 2,162 196 189 385 706 674 380 1,276 1,154 2,430 July 215 228 443 396 401 797 812 766 1,578 356 349 705 1,193 1,137 2,330 1,121 1,015 2,136 2nne 362 367 729 227 193 420 683 636 1,319 393 391 784 1,159 1,097 2,256 VBM 1,119 1,140 2,259 973 876 1,849 383 348 731 213 186 399 644 626 1,270 383 379 762 **LingA** 563 580 1,143 1,268 1,179 2,447 316 302 618 172 176 348 957 933 1,890 344 336 680 March 455 424 879 278 298 576 267 267 **5**34 140 108 248 1,088 1,029 2,117 776 739 1,515 February 326 290 616 314 328 642 676 662 1,338 774 691 1,465 181 130 311 1,171 1,109 2,280 January : : : : : : ::: ::: : : : : : : Males Females Males Females Total Males Females Males Females Total Males Females Total Females Total Males Total Total District Chitaldrug ... Bangalore Hassan Mysore Kadur Kolar

TABLE 1.—concld.

Rate	1933	17.05	18.97	17.99	30.09	25'36	46.24
Brith-Rate	1954	18•36	17.38	17.74	34.01	26.59	49.69
Total Briths		25,04 4,692 9,716	8,028 7,45 <b>8</b> 15,486	60,484 56,818 1,17,302	3,287 3,190 6,477	1,586 1,470 3,056	2,132 2,054 4,186
шрет.	Бесел	500 473 973	675 601 1,276	5,348 4,875 10,223	338 287 625	170 146 316	238 201 439
тры	элоИ	488 445 933	666 633 1,299	5,766 5,400 11,166	258 232 490	155 159 314	174 194 368
)6L	Octol	436 394 830	711 666 1,377	5,591 5,152 10,743	333 343 676	137 145 282	219 222 441
шры.	Septe	434 403 837	756 690 1,446	5,205 4,928 10,133	274 253 527	128 12 <b>6</b> 253	206 191 397
ţs	ngnA	453 427 880	409 367 776	5,188 4,766 9,954	254 245 499	158 142 300	260 237 497
	∆In <b>t</b>	525 471 996	702 727 1,429	5,293 5,049 10,342	302 293 595	130 127 257	182 193 375
	aunr	373 418 791	682 619 1,301	5,148 4,933 10,081	299 281 580	125 116 241	161 127 288
	May	<b>4</b> 04 384 788	750 687 1,437	5,076 4,834 9,910	310 326 636	122 112 234	168 127 295
	lingA	319 28 <b>8</b> 607	735 686 1,421	4,769 4,529 9,298	261 268 529	118 119 237	136 140 276
Ч	Marc	. ° 388 345 733	666 659 1,325	4,674 4,510 9,184	292 300 <b>50</b> 0	116 107 223	117 146 263
nsty	<u></u> Бергі	.871 .828 .699	635 583 1,218	4,010 3,776 7,786	204 213 417	114	110 130 240
чгу.	Janu	383 316 649	641 540 · 1,181	4,416 4,066 8,482	162 149 311	113 87 200	161 146 307
District		Shimoga Males Females Total	Tumkur Males Females Total	Mysore Males State, Females Total	Bangalore City Males Females Total	Mysore City Males Females Total	Kolar Gold Males Field. Females Total

TABLE 2.

7.	Death-Rate 1934 1983	13.60	26.66	13.66	17.59	14.14	14.51	20.58
each Month of the Year 1934.	Death 1934	15.91	21.95	15.36	13.55	13.53	18.48	18.97
he 'Ye	Total Deaths	9,332 8,787 1 <b>8</b> ,119	7,924 7,098 15,022	4,729 4,510 9,239	2,574 2,203 4,777	6,100 5,642 11,742	14,474 14,116 28, <b>5</b> 90	5,268 4,771 10,039
h of t	Десешрек	1,025 942 1,967	516 450 960	384 360 744	213 198 411	649 5 <b>5</b> 6 1,205	1,148 1,111 2,259	481 457 938
Mont	November	852 743 1,595	494 436 930	357 398 755	249 206 455	557 533 1,090	1,129 1,172 2,301	537 465 1,002
	Осторет	859 785 1,644	477 464 <b>94</b> 1	377 359 736	214 238 452	415 410 825	1,062 1,016 2,078	438 381 819
State in	September	734 731 1,465	613 500 1,113	426 435 861	208 184 392	410 412 822	972 969 1,941	426 407 833
	tsn3n <b>A</b>	729 712 1,441	519 471 990	396 381 777	214 223 437	555 496 1,051	1,128 1,090 2,218	466 442 908
e Mysore	չնու	723 667 1,390	496 <b>5</b> 04 <b>1,</b> 000	398 3 <b>4</b> 6 744	160 150 310	461 394 855	1,133 1,108 2,241	381 344 725
of th	əunc	608 580 1,188	387 401 788	312 289 <b>60</b> 1	157 131 288	474 500 974	1,091 1,029 2,120	325 275 600
Cities	Мау	682 643 1,325	531 478 1,009	366 346 712	185 160 345	429 419 848	1,103 1,091 2,194	305 294 599
s and	lirqA	808 766 1,574	879 799 1,678	537 539 1,076	247 179 426	525 445 970	1,433 1,396 2,829	332 308 640
istrict	Магсh	879 813 1,692	1,158 913 2,071	464 468 932	263 193 456	678 576 1,254	1,871 1,806 3,677	424 442 866
the D	February	712 675 1,387	759 707 1,466	331 270 601	215 151 366	423 405 828	1,227 1,192 2,419	505 458 963
hs in	January	721 730 1,451	1,101 975 2,076	381 319 700	249 190 439	524 496 1,020	1,177 1,136 2,313	648 498 1,146
Reported Deaths in the Districts and Cities of the	District	Males Females Total	Males Females Total	Majes Females	Males Females	Males Females Total	Males Females Total	Males Females Total
Rep		Bangalore	Chitaldrug	Hassan	Kadur	Kolar	Mysore Ç	* Shimoga

TABLE 2—concld.

1		I		.	~	21		1
	Death-Rate	1933	14.97	16.17	26.43	21.42	98.63	-
	Deat	1934	18.03	17.18	29.87	23.01	30.81	
	Total	Deaths	8,211 7,852 16,063	58,612 54,979 1,13,591	2,908 2,781 5,689	1,323 1,322 2,645	1,424 1,174 2,598	
	иреь	 Десеи	<b>5</b> 65 572 1,137	4,975 4,646 9,621	366 346 712	126 141 267	170 125 295	
	прег	нөлоМ	582 554 1,136	4,757 4,507 9,264	300 308 908	124 147 271	112 97 209	
	er	Octob	468 456 924	4,310 4,109 8,419	276 252 <b>5</b> 28	13 <b>6</b> 1 <b>114</b> 250	183 111 244	
	шреъ	Septe	564 473 1,037	4,353 4,111 8,464	241 236 477	124 143 267	115 121 236	
	đ:	su3nV	415 357 772	4,422 4,172 8,594	232 227 459	105 112 217	133 105 238	
		July	607 567 1,174	4,359 4,080 8,439	208 204 412	99 85 184	117 86 203	
		June	505 508 1,018	3,859 3,713 7,572	213 173 386	98 61 159	108 109 217	
		May	654 665 1,319	4,255 4,096 8,351	202 204 406	91 91 182	114 80 194	
		firqA	993 965 1,958	5,754 5,397 11,151	191 189 <b>3</b> 80	110. 94 204	119 83 202	
		March	1,398 1,328 2,726	7,135 6,539 13,674	235 21 <b>5</b> 450	109 115 224	91 71 162	
	Sac S	Hebrus	750 701 1,451	4,922 4,559 9,481	226 196 422	97 109 206	99 9 <b>4</b> 193	
	. AJ		710 706 1,416	5,511 5,050 10,561	218 231 449	104 110 214	113 89 202	
		District	Tumkur Males Females Total	Mysore State Males Females	Bangalore City. Males Females Total	Mysore City Males Females Total	Kolar Gold Males Field. Females	

Reported Deaths in the Districts and Cities of the Mysore State, Classified according to Hindus, Musalmans and other classes in the Year 1934.

		Estimate	Estimated Population as on July 1, 1934	on as on	Numbe	Number of Death	18			Death Rates	Rates		
District		Ş	suen		Ş	sueu	Sc	Hindus	dus	Musa]	Musalmans	Other	Other Classes
		aubaiH	alssuM	Other Olasse	subaiH	alsen M	Other Otass	1934	1933	1934	1933	1934	1933
Bangalore	:	1,031,096	85,465	22,225	16,143	1,258	718	15.66	13.82	14.72	10.72	32.31	14.40
Chitaldrug	:	643,450	38,897	4,973	13,797	819	209	21.44	26.44	15.89	50.06	122.06	93.71
Hassan	•	5,71,999	22,299	8,311	8,725	908	808	15.25	13.81	13.72	11.38	25.03	7.34
Kadur	:	325,584	19,921	800%	4,464	234	462	13.71	17.65	11.75	12.64	8.77	23.42
Kolar	:	773,279	68,676	24,874	9,468	1,026	1,248	12.24	13.07	14.94	12,89	50.17	51.30
Mysore	:	1,464,940	63,874	16,900	26,478	1,268	844	18.07	14.31	19.85	13.54	49.94	35.80
Shimoga	•	474,157	42,655	14,677	9,144	529	998	19.28	20.49	12.40	16.35	24.94	22.08
Tumkur .	:	834,235	46,569	10,342	14,390	433	1,240	17.25	15.46	66.66	9.05	119.90	2.71
Mysore State	:	61,18,739	3,88,360	111,310	1,02,609	5,672	5,310	16.77	16.11	14.61	13 05	47.70	29.57
							1						
Bangalore City	:	159,767	22,090	7,997	4,788	729	172	29.97	26.44	33.00	27.79	21.51	24.01
Mysore City	:	90,882	19,122	4,581	1,758	651	236	19.34	19.85	34.04	24.31	51.52	41.26
Kolar Gold Field	•	60,792	6,624	16,019	1,946	506	443	32.01	27.48	31.10	56.98	27.65	38.58

\* Census Figures of 1931.

TABLE 4.

Reported Deaths in the Districts and Cities of the Mysore State, Classified according to Age and Sex in the Year 1934.

	Total All Ages	9,332 8,7 <b>8</b> 7 18,119	7,924 7,098 15,022	4,729 4,510 9,239	2,574 2,203 4,777	6,100 5,642 11,742	14,474 14,116 28,590	5,268 4,771 10,039
	60 and Over	2,158 1,882 4,040	1,549 1,224 2,773	826 702 1,528	395 307 702	1,449 1,174 2,623	3,193 2,910 6,103	743 649 1,392
	50—60	674 579 1,2 <b>5</b> 3	770 596 1,366	4 <b>5</b> 5 420 875	255 196 451	406 31 <b>2</b> 718	1,256 1,164 2,420	551 - 449 1,000
p	40—50	739 581 1,320	958 692 1,650	499 364 863	342 188 530	501 381 882	1,417 1,218 2,635	671 465 1,136
	30—40	672 739 1,411	970 875 1,84 <b>5</b>	596 545 <b>1</b> ,141	357 276 633	506 481 937	1,568 1,426 2,994	712 611 1,323
	20—30	734 84 <b>5</b> 1,579	982 1,152 2,134	538 713 1,251	273 402 675	440 5 <b>94</b> 1,034	1,203 1,705 2,908	637 730 1,366
	15-20	443 528 971	<b>4</b> 44 500 944	280 338 618	162 195 357	279 346 625	772 880 1,652	288 347 685
7	10—15	459 435 894	321. 312 633	221 208 429	163 123 286	226 282 508	740 721 1,461	225 207 432
	<b>6</b> —10	596 557 1,153	444 439 883	240 246 486	117 96 213	302 317 619	972 1,011 1,983	258 259 517
	One Year to Five Years	1,428 1,365 2,793	855 748 1,603	453 462 915	177 185 362	754 74 <b>6</b> 1,499	1,815 1,823 3,638	449 439 888
	Under One Year	1,429 1,276 2,705	631 560 1,191	621 512 1,133	333 235 568	1,237 1,060 2,297	1,538 1,258 2,796	735 615 1,350
		:::	: : :	• • •			• • •	
The state of the s	District	Males Females Total	Males Females Total	Males Females Total	Males Females Total	Males Females Total	Males Females Total	Males Females Total
		Bangalore	Chitaldrug	Hassan	Kadur	Kolar	Mysore	Shimoga

Table 4—concld.

Total All Ages	8,211 7,852 16,063	58,612 54,979 113,591	3,385,049 3,227,438 6,612,486	17.31 17.03 17.18	2,908 2,781 5,689	1,323 1,3 <b>22</b> 2,645	1,424 1,171 2,595
60 and Over	2,094 1,729 8,823	12,407 10,577 22,984	143,173 131,787 274,959	86.66 80.26 83.59	425 401 826:	287 247 534	228 221 <b>4</b> 49
50-60	717	5,084	172,927	29.40	178	108	96
	608	4,324	158,848	27.22	162	85	43
	1,325	9,408	331,774	28.36	340	193	139
40-50	770	5,897	336,857	17·51	199	124	130
	615	4,504	260,341	17·30	179	103	49
	1,385	10,401	597,198	17·42	878	227	179
30-40	719	6,100	495,197	12.82	186	148	146
	761	5,664	424,352	13.3 <b>5</b>	181	151	64
	1,480	11,764	919,549	12.79	367	294	210
20-30	682	5,488	573,071	9.58	253	137	119
	999	7,140	601,620	11.87	220	182	95
	1,681	12,628	1,174,691	10.75	473	319	214
15-20	318 423 741	2,986 3,557 6,543	315,287 311,490 626,777	9.47 11.42 10.44	158 187 340	58 86 144	88 89 88 99
10-15	292	2,647	427,374	6·19	127	54	20
	363	2,651	403,317	6·57	137	82	31
	655	5,298	830,688	6·38	264	136	51
5-10	430	3,359	440,994	7.62	166	65	37
	444	3,369	438,887	7.68	154	67	41
	874	6,728	879,881	7.65	320	132	78
One Year	985	6,916	392,726	17.61	616	156	23 <b>4</b>
to Five	928	66,95	405,122	16.49	602	163	236
Years	1,913	13,611	798,849	17.04	1,218	319	470
Under One Year	1,204 982 2,186	7,728 6,498 14,226	87,440 90,676 178,120	88·38 71·66 79·87	605 558 1,163	191 156 347	379 358 737
							• • •
District	Males	Males	tion Males	Males	Maies	Males	Males
	Females	Females	134. Females	Females	Females	Females	Females
	Total	Total	Total	Total	Total	Total	Total
Dist	${ m Tum}{ m kur}$	Mysore State	Estimated Population as on July 1, 1934.	Death-Rates in each Age Group.	Bangalore City	Mysore City	Kolar Gold Field

TABLE 5.

of Births, and of Deaths from different Diseases, among Males and Females in the Districts and Cities of the Mysore State in the Year 1934. Statistics

	Ĭ	ж Эку апо	Dysente drisiU	653 566	1,219	199	934	176 1 <b>5</b> 8	334	96	158	288 245	533	850 762	1,612
		GVers	A 19dłO	3,046 2,759	5,805	4,646	8,849	2,740 2,484	5,224	1,269	2,806	2,474 2,213	4,687	7,664 7,316	14,980
		Ę	Typhoio			4	.ədsl	lisvs d	ou s	əanSy	ojete	Comp			
			sirslsM		-	,	rþje.	stisvs	ροπ	gures	n əte	ombje	)		
		ſ	Cholera	50	88	20	35	17 15	32	410	σ.	20 27	47	51 46	97
100	1	XC	Smallpo	455	933	130	278	1 <b>3</b> 2 165	297	26	39	354 <b>3</b> 49	703	925	1,938
romr ro			Plague	502 547	1,049	520 439	959	201 203	404	9 <b>9</b> 81	180	208 214	422	1,009	2,106
0110	of Infants of Age	Mortality tate	1933	<b>95.</b> 29 85.26	90.35	138·76 137·18	137.99	104·32 77·85	69.16	129·40 113·97	121.97	118.84	110.81	61-11	58.38
Duage III	Deaths 1 Year	Infant Mor Rate	1934	114.58 108. <b>5</b> 9	111-67	135.73 126.50	131.22	128·25 111·69	120.20	12 <b>6</b> 61 98·57	113.28	147.95	139.88	106·23 93·45	100.001
TAT SOLD	Reported		No. of I Deaths	1,429	2,705	631 560	1,191	621 512	1,133	333 235	568	1,237	2,297	1.538 1,258	2,796
INT DITO	Ø	sate per mille of population	1933	19.72	19.92	17.98 17.82	17.90	14'60 13·70	14.15	14.78 15. <b>5</b> 9	15.16	21.38	21.44	16.76	16.57
10 001	Reported Births	Rate per mille of population	1934	21.36	21.27	13.25 13.28	13.26	15.95 15.40	15.68	14.01	14.27	18.82	18.92	18·56 17·54	18.06
CINICS	Report	þs	Born			•	əlds.	lisvs d	ou s	gansg	lete	qmoD			
വ വേധ		Births	Born	12,472 11,751	24,223	4,649	9,076	4,842	9,426	2,630 2,384	5,014	8,361	16,421	14,478	27,940
00011001	·	М			:	::	:	::	:	::	:	::	:		
217		Sex		Males Females	Total	Males Females	Total	Males Females	Total	Males Females	Total	Males Females	Total	Males Females	Total
	noitaluo	eq bog	tsmitsA tsel ni	583,768 <b>5</b> 54,951	1,138,719	350,844 333,414	684,258	303,600 297,695	601,299	187,675 164,807	352,478	£444,177 423,916	868,092	779,996	1,547,359
				•	<del>-</del>	:			1	:	_	:	1	-:	
		District		Bangalore		Chitaldrug		Hassan		Kadur		Kolar		Mysore	

	le of	1933	18·62 13·59	13.60	26.58 26.74	56.66	13.94 13 <b>.3</b> 7	13.66	17.43	17.59	14·10 14·18	14.14	14.42 14.60	14.51
ths	te per mill population	15	ÄÄ	7	20.00	50		1	HH		771	1	77	1
Reported Deaths	Rate per mille population	1934	15.99 15.83	15.91	22·59 21·29	21.95	15.58	15.36	13.72	13.55	13.73	13.53	18.56	18.48
Rep		Deaths	9,332	18,119	7,924 7,09 <b>8</b>	15,022	4,729	9,239	2,203	4,777	6,100 5,642	11,742	14,474	28,590
səs	er Cau	VII Off	3,761 3,586	7,347	2,148	4,157	1,292	2,646	721 705	1,426	2,311 2,248	4,559	3,122 3,219	6,341
		səidsA			• 1	able	lisvs t	ou s	ngure	əjəl	Comp			
	eti.	Впаке-р			•	able.	lisve d	ou s	erngü —	ete	Comp			
staroa .	bliW g	Killed b	30 15	45	24	39			13	18	16	26	38	59
stusbiss	Abus	врипоМ	101	197	88 08 80	89	30	75	6 6 6	32	104	177	126	232
,	Яt	ninword			•	able	lisvs t	ou s	əznSt	ətəl	Comp	1	1	<u>!</u>
		Suicide	19,	39	15	23	43	9	ന :	33	14	32	29 36	65
	पुरा	id-biido		1		əlds	lisve i	ou s	eanSy	lete	dmoD			1
		Leprosy			•	able	lisve d	ou s	.eanSy	- Tete	Comp			
	noitq	Consum			•	alda	lisva d	ou s	erngh	lete	Comp			
Sesses	ia Vioi	sriqsəЛ	715 681	1,396	184	275	130	213	65	106	311 245	556	663	1,160
,	Sex		Males Females	Total	Males Females	Total	Males Females	Total	Males Females	Total	Males Females	Total	Males	Total
noitelu		tsmitsI 4861 ni	583,768 554,951	1,138,719	350,844 333,414	684,258	303,600	601,299	187,675	352,478	444,177 423,916	868,092	779,996	1,547,359
			:		:		1:		:		:			
	District		Bangalore		Chitaldrug		Hassan		Kadur		Kolar		Mysore	

TABLE 5—contd.

l   p		oynesy drrsiQ	939 243	585	231	453	2,826	5,225	404 342	746	150	329	14 <b>2</b> 162	304
	STOVO	Other F	2,479	4,608	4,943	9,543	29,529 26,973	56,502	172	346	95	175	320 198	518
	ŀ	Typhoio		•	•	əlds.	lisvs t	ou s	ngure Ugure	lete	Comp			<u>.</u>
		sirs[sM			•	əlds	lisva t	ou s	ərngü	əjəl	Gomp		,	
		Cholera	<b>₽</b> - 30	10	12	27	181 165	346	20	33	::	:	- :	
	X	oqlism2	36	84	114	249	2,169	4,521	888	163	24 28	55	31 19	20
		Plague	291 336	627	<b>79</b> 64	143	2,909 2,981	5,890	70 47	117	89	170	23	44
f Infants f Age	ortality	1933	151.23 124.22	138·13	114.38	110.05	105·31 93·44	99.50	190.06 16 <b>5</b> .31	177.47	122.99 103.86	113.45	187.73	175.84
orted Deaths of Infants under 1 Year of Age	Infant Mortality Rate	1934	146.30	138.95	149.98 131.67	141.16	127.77	121.28	184.06 174.92	179.56	120.43 106·12	113.55	177.77	176.06
Reported		I to .oV edtasU	735	1,350	1,204	2,186	7,728 6,498	14,226	<b>60</b> 5 558	1,163	191 156	347	379 358	787
	mille lation	1933	16.56 17.61	17.05	18.77	18.97	17.95 18.03	17.99	27·86 32·61	30.08	23·92 27·00	25.36	43.35	46.54
d Births	Reported Births  hs  Cof population  Born  Born			17.88 18.90 17.68 17.06 17.87 17.87 17.74							25·94 27·32	26.59	48·20 51·34	49.69
Reporte	S	Born			• (	lable	lisvs d	ou s	ərngü	ətəlo	Comp			
	Births	Born Alive	5,024 4,692	9,716	8,028	15,486	60,484 56,818	117,302	3,287	6,477	1,586	3,056	2,132 2,054	4,186
				:	: :	:	::	:	::	:	::			:
	Sex		Males Females	Total	Males Females	Total	Males Females	Total	Males Females	Total	Males Females	Totai	Males Females	Total
noitsing	lod bed	Letimad 1981 ui	280,974 248,231	529,206	454,015 437,061	891,076	3,385,049	6,612,486	101,012 89,424	190,440	61,137 53,799	114,937	44,232 40,005	84,237
	District		Shimoga		Tumkur		Mysore State		Bangalore City		Mysore City		Kolar Gold Field	

	shs	mille of ation	1938	20·10 20·45	20.26	14.46	14.97	16.10	16.17	25·27 27·74	26.43	19 66 23.42	21.42	3C·04 28·61	29.36
	Reported Deaths	Rate per mille population	1934	18.75	18.97	18.09	18.03	17.31	17.18	28.79	29.87	21.64 24.57	23.01	32,19 29·27	30.81
	Rel		Deaths	5,268	10,039	8,211	16,063	58,612 54,979	113,591	2,908	5,689	1,323	2,645	1,424	2,595
	səs	ensO re	A10 IIA	1,926	3,830	2,511	5,033	17,792	35,339	1,593	3,144	772 807	1,579	733 678	1411
			Rabies			•	əldsl	lisve t	ou s	eanSg	ojete	Coml			
		əti	Зпаке-р			•	əld s.	lisva t	ou s	əangy	ojete	Com	5		
	stssəU .	bliW y	Killed b	2	13	17	33	145 96	241	64 :	2	- :	-	:-	П
3	etaebio	о у рпв	spπno <sub>M</sub>	26 15	41	51	86	499	920	228	20	10	12	61 26	82
		3	ninword			·	əlds	lisvs d	ou s	нгиге	etel.	Comp			
			Suicide	15	55	9	23	108	218	භ 41	7	0101	4	12	က
	Ч		rid-blidD				əlds	lisved	ou s	gansy	ətəl	Comp	_		
			Leprosy				able,	lisvs d	ou s	- ZnSy	Jete	Comp			
		ποίτο	Consum			,	able,	slisva a	ou s	ngare	lete	Comp			
	səsvəs	ory Die	Respirat	142 80	222	244 217	461	2,454	4,389	536	1,081	180	323	1111	176
		Sex		Males Females	Total	Males	Total	Males	Total	Males Females	Total	Males	Total	Males Females	Total
	noiteln	ndo <b>T</b> b	ətrmitzI 4691 ni	280,974 248,231	529,206	454,015	891,076	3,385,049	6,612,486	101,012 89,424	190,440	61,137	114,937	44,232	84,237
		District		Shimoga		Tumkur		Mysore State		Bangalore City		Mysore City		Kolar Gold Field	

Statistics of Births, and of Deaths from different Diseases in Urban and Rural Areas of the Mysore State in the Year 1934. TABLE 6.

	ą	ұвку апс фока	Dysen Tiarr	794 42 <b>5</b>	309	43 291	12	344 189	434	37	28 425	1,717
		Fevers	Other	6 <b>5</b> 3 5,152	482	293 4,931	2,557	862	1,003	284 4,324	44 <b>5</b> 9,098	4,291
		Бi	Typho			9IQ	dslisve	tou se	9anSy	n <b>ple</b> te	 10 <sup>O</sup>	
		នា	TalaM			.9[0	dslisve	ou se	erngh :	mplete	ιοΩ	
		e.	Сројег	30	34	32	6	37	93	10	27	292
	,	xoo	Small	200	271	25 <b>27</b> 2	33	125 578	12 <b>8</b> 1,810	92	248	498
		(	əngal¶	319 730	968	80 324	103	157	455 1,6 <b>5</b> 1	28	38 105	1,217
	of Infants of Age	Sortality te	1933	139·07 65·66	94.85 143.46	100·14 89·88	88.21 130.54	135.66	88·79 49·83	87.46 148.82	112·48 109·77	116·15 94·75
	Reported Deaths of Infants under One Year of Age	Infant Mortality Rate	1934	154·12 89·92	79.59	144.28 116.58	63 40	155.38	97.09	67.18	70.95 147.05	125.79
	Reporte	J	odinuN nstaI ItsoA	1,265	1,083	174 959	66 502	982	557 2,239	96	2,101	3,333
	70	-Rate	1933	28.35	19.69	25·89 12·95	26.3 <b>5</b> 13.68	38.60	24.0 <b>5</b> 15.23	21.63 16'40	26.69 18.37	27.56
7 - 2 - 6	Reported Births	Birth	1934	30.26 18.46	19.33	21.02	25·21 · 12·77	39.93 14. <b>2</b> 3	24·25 16·94	21.27	18.44 17.30	27.40
5	Report	s Birth-Rate	Born Dead			sp]e:	Lisvs t	ou səa	n <b>g</b> h ət	ombje	0	
		Births	Born Alive	8,208	1,357	1,206 8,226	1,041	6,320 10,101	5,737 22,203	1,429 8,287	1,198 14,288	26,496
	поіде[п ф <b>8</b> 61	ted Pop	smitsH no ss	271,274 867,445	70,198	57,373 543,926	41,285	158,281 709,811	236, <b>5</b> 87 1.310,771	67,175	64,9 <b>65</b> 826,111	967,136 5,645,350
		Area		Urban Rural	Urban	Urban Rural	Urban Rural	Urban Rural	Urban Rural	Urban Rural	Urban Rural	Urban Rural
		District		Bangalore	Chitaldrug	Hassan	Kadur	Kolar	Mysore	Shimoga	Tumkur	Mysore State

eaths	Death-Rate	1933	21.44	19.67	16,41	15.12	22·36 12·31	17.81	12.67	15.92	15.69
Reported Deaths	Deatl	1934	25·11 13·04	16.10	17·26 15·17	15·02 13·36	$\begin{array}{c} 24.20 \\ 11.15 \end{array}$	19.56	12.09	14·19 18·33	20.41
		Deaths	6,811 11,308	1,130 13,892	990 8,249	620 4,157	3,83i 7,911	4,628 23,962	812 9,227	922	19,744
898	engo 16	УП О¢р	3,608	3,660	428 2,218	238 1,188	1,977 2,582	2,164 4,177	<b>4</b> 30 3,400	367 <b>4</b> ,766	9,709
		səidsA			9]6,	lslisv:	ou s	e <b>r</b> ugh	nplete	roD	
	əji	Зпаке-р			oje.	lslisvi	s tou s	gangy	nplete	тоО	
Beasts	bliW y	Killed by	39	39	·	3	7	55	133	: : : : : : : : : : : : : : : : : : : :	20 221
atusbis	ooA baa	в грипоМ	61 136	21	11 64	8	97	34 198	34	68	248
	St	tinword			)J6'	dslisv	s tou s	gare	nplete	aoO	
		Suicide	31	23 <b>tr</b>	က က	2-1	7 25	10	55	23	35
	цза	rid-blidD			.9[6	dslisv	e tou s	əanSy	apelga	noD	
		Leprosy			.je.	dslisv	s tou s	ygure	apəlqr	noO	
	noite	ImnsnoO			Je,	dslisv	s tou s	eaugy	aplete	aoD	
səsvəs	iU Y10	triiq29A	1,123	29 246	107	2 <b>5</b> 81	24 <b>5</b> 311	392	202		1,975
по <b>іза</b> Іи 14861	do Pop	otsmitsH It no es	271,274 867,445	70,198	57,373 54 <b>3</b> ,926	41,285	158,281	236,587	67,175	64,965 826,111	967,136
	Area		Urban	Urban	Urban Rural	Urban	Urban	Urban	Urban	Urban	Urban
			E Bu	Eg	::		 B.d		, . Rd	H. B.d	:     Brd
	District		Bangalore	Chitaldrug	Hassan	Kadur	Kolar	Mysore	Shimoga	Tumkur	Mysore State

TABLE 7.

Reported Deaths of Infants under One Year of Age in the Districts and Cities of the Mysore State in each Month of the Year 1934.

									J		J		rotal Dound	Total Deaths of Infants under One Year	Infants Year	Infant Mortality	at Llity
District	mennel,	<b>Т</b> апиагу <b>Т</b> ергиагу	Магећ	firqA	May	9un <u>e</u>	VIu <b>t</b> .	dangn <b>A</b>	Septembe	October	Novembe	Decemper	Male	Female	Total	1984	1933
Bangalore		214   183	621	175	95	199	224	267	238	295	260	379	1,429	1,276	2,705	111.67	90.35
Chitaldrug .		126   84	93	85	68	81	122	95	116	103	86	102	631	260	1,191	131.22	137.99
	——————————————————————————————————————	67   35	99	883	62	85	125	110	135	119	136	901	621	512	1,139	120.20	69,16
Kadur		47 30	31	34	25	47	45	92	53	<b>ා</b> ව භ	89	59	සස	235	568	113.28	121.97
Kolar		219   148	3   165	174	149	179	176	556	158	194	556	277	1,287	1,060	2,297	139.88	110.81
Mysore	22	235 215	916	231	205	217	242	225	193	217	260	240	1,538	1,258	2,796	100.001	58.38
Shimoga	31	122 63	89	20	65	20	132	171	129	133	185	165	735	615	1,350	138.95	138.13
Tumkur	191	181	199	201	218	164	204	139	186	125	500	169	1,204	885	2,186	141.16	110.05
Mysore State	1,221	21 939	1,107	1,030	919	1,039	1,270	1,312	1,208	1,239	1,445	1,497	7,728	6,498	14,226	121.28	99.50
Bangalore City	:	93   70	2.2	66	111	73	79	107	110	102	108	140	909	558	1,163	179.56	177.47
Mysore City		40   22	21	22	24	21	56	37	67	58	44	ස	191	156	347	113.55	113.45
Kolar Gold Field		73   68	41	48	35	92	20	70	. 54	94	09	88	379	358	737	176.06	175.84

TABLE 8.

Reported Deaths from Plague in the Districts and Cities of the Mysore State in each Month of the Year 1934.

	oer of us per of of of ation	1933	97	276	47	94	40	134	145	28	107	65	112	83
	Number of Deaths per 1,00,000 of Population	1934	92	140	67	51	49	136	118	91	68	19	148	52
	1S e	Total	1,049	959	404	180	422	2,106	627	143	5,890	117	170	44
	al Deaths m Plague	Female	547	439	203	81	214	1,097	336	64	2,981	47	81	21
	Total	Male	205	520	201	66	208	1,009	291	6,	2,909	70	83	22.53
	сешреь	$ m D^{c}$	112	36	10	6.	38	204	9	23	433	21	13	15
	лефире	oN	162	55	7.0	00	32	211	25	10	506	53	24	က
	рорбъ	юО	68	94	50	93 44	18	526	48	13	572	20	42	C7
٦.,	emper	ləs	107	96	06	25	49	308	46	9	656	14	54	ω
1 1001.	<b>4s</b> n5	n∀	888	63	31	21	65	217	I.	16	569	67	50	9
r Cal	S	լու	42	က ဏ	28	Ľ-	98	177	63	14	410	•	က	•
0110	76	ınr	H	က	6	-	00	144	16	C <sub>1</sub>	194	_	4	ф —
10	λ	sW	9	က	18	*	C2	66	10	П	139	- Friend	63	•
	ril	.dv	44	gard gard	<u></u>	•	69	59	12	:	196	:	:	•
	rch	вМ	117	63	28	21	43	66	37	<u></u>	405		-	-
	Larna	Heb	139	111	8:	27	44	238	137	24	798	9	ಬಾ	70
	Lient	Jar	132	374	තු	08	& & &	233	123	27	1,012	14	C21	Т
			:	•	:	*	•	:	•	:	e	•	0	: :
	District		Bangalore	Chitaldrug	Hassan	Kadur	Kolar	Mysore	Shimoga	Tumkur	Mysore State	Bangalore City	Mysore City	Kolar Gold Field

Reported Deaths from Smallpox in the Districts and Cities of the Mysore State in each Month of the Year 1934. TABLE 9.

						7	T 000	7										}
District										ı.		ı	J	Dea Sm	Total Deaths from Smallpox	<b>a</b>	No. of Deaths per 1,00,000 of Population	f Deaths 1,00,000 pulation
		January	Евргиягу	Матећ	liчq <b>A</b>	V&M	1 nue	July	- dsuguA	Septembe	October	мометре -	December	9lsM 	Female	[stoT]	1934	1933
Bangalore	•	16	18	22	34	34	- 25	27-	127	104	108	42	243	455	478	983	82	42
Chitaldrug	:	-	4	$\infty$	18	24	56	09	53	000	.22	19	17	130	148	278	41	24
Hassan	:	L-	10	17	15	24	24	20	21	50	17	45	47	132	165	237	49	18
Kadur		:	•	9	:	9	~#	9	63	:	03	-	12	56	13	 68	11	$\infty$
Kolar		55	ਚ ===	<b>6</b> 8	16	61	99	45	92	51	71	112	26	3 <b>5</b> 4	349	703	81	48
Mysore	:	83	127	253	203	223	151	150	182	104	68	160	213	922.   1	1,016	1,938	125	06
Shimoga	:	•	:	Н	20	C3	13	18	:	12	9	14	13	36	48	84	16	15
Tumkur	:	C3	ŭ	11		19	10	20	16	19	14	31	65	114	135	249	28	18
Mysore State		164	178	357	298	393	376	436	453	370	329	460	707	2,169 2	2,352	4,521	89	43
Bangalore City	:	:	:	t-	70	12	10	14	6	₹#	14	13	75	08	88	163	98	12
Mysore City	:	H	CN	₹	2	6	ص ص	5	0	9	Н	က	7	24	28	52	45	59
Kolar Gold Field	:	Н	:	*	7	9	9	<u>ක</u> .	*	ಣ	က	$\infty$	18	31	19	50	59	ರ
																		-

TABLE 10.

Deaths from Cholera in the Districts and Cities of the Mysore State in each Month of the Year 1934; Reported 1

District	ict.		Bry	uary	ų					ļsī	ew pe	190	na per	шреъ	Tota	Total Deaths from Cholera	from	per 1,00,000 of Population	of Popu-
			n as C	церы	очяМ	lirqA	V. M.	<b>I</b> nne	Luc	n3nY	Septe	Octo	evoM	Decei	Male	Female	Total	1934	1933
Bangalore	n, 0 •	•	:	:	*	:	-	63	:	F-4	အ	58	15	6	50	33	89	∞	
Chitaldrug	•	•	CJ	•	:	:	<b>C</b> 3	41	:	6	9	ဏ	20	4	20	15	35	ũ	63
Hassan	:	:		0 0	67	C3	50	<b>03</b>	4	ಣ	CJ	9	63	4	17	15	32	ಸ್ಕಾ	
Kadur	•	:	:			:	:	:	-	က	ର	7	C3	:	41	ro	6	· co	_
Kolar	:	:	:	;	H	:	67	:	:	ဢ	:	9	19	16	20	27	47	ಬ	0
Mysore	•	•		ŭ	<i>O</i> )	50	15	9	9	6		13	ಸ್	7	51	97	97	9	ಣ
Shimoga	•	:	•	•	•	÷ •	:	:	•	:	:	ಸ್	4	H	£~	က	10	c <sub>3</sub>	pund
Tumkur	:	•	:	:	:	•	:	:	•		9	6	9	ಸಂ	12	15	27	ಣ	0
Mysore State		:	60	ت	12	33	25	14	11	53	0%	101	58	46	181	165	346	5	F
Bangalore City	.6 ⊕ ⊕	• • •	•	•		:		•	:	## 1 Page 1	:	•	31	63	50	133	89	17	0
Mysore City	à •	φ Θ ?	•	Process we wrome :		*	:	•	*	•	:	:	•	*		•	:	0	0
Kolar Gold Field	*	:	•	•		:	•	:	•	:	:	Н	:		1	•	7		C

TABLE 13.

Reported Deaths from Fevers in the Districts and Cities of the Mysore State in each Month of the Year 1934.

1			r.i.	131.Y	U					, as	шреъ	лэ	mper		Total De	aths fror	Total Deaths from Fevers	Z	umber of Deaths per 1,00,000 of Population
Hande   Hand	District		sunst	пчерги	Marel	firqA	May	эшпс	lul	nSn∀	Septe	Octob	іэло И	Decei	Male	Female	Total	1934	1933
1,313         1,034         1,708         1,898         737         656         656         571         172         131         222         4,646         429         429         429         129         429         <		•	423	438	734	<b>8</b> 69	543	976	447	413	416	414	396	202	3,046	2,759	5,805	510	354
Hand Hand Hand Hand Hand Hand Hand Hand		•	1,313	1,034	1,708	1,398	787	555	655	553	371	172	131	222	4,646	4,203	8,849	1,293	1,725
Hand	•	•	411	341	685	817	455	373	466	503	490	429	129	126	2,740	2,484	5,224	869	862
Hand Hand Hand Hand Hand Hand Hand Hand	:	0 0 0	298	210	280	262	212	161	175	253	214	231	278	232	1,537	1,269	2,806	962	1,053
High High High High High High High High	:		373	379	664	460	.857	422	318	380	331	243	351	409	2,474	2,218	4,687	240	563
Mysore State         340         360         360         480 <t< td=""><td>:</td><td>•</td><td>1,148</td><td>1,223</td><td>2,408</td><td>1,723</td><td>1,205</td><td>1,190</td><td>1,109</td><td>1,055</td><td>895</td><td></td><td></td><td>1,027</td><td>7,664</td><td>7,316</td><td>14,980</td><td>896</td><td>€0₹</td></t<>	:	•	1,148	1,223	2,408	1,723	1,205	1,190	1,109	1,055	895			1,027	7,664	7,316	14,980	896	€0₹
Mysore State         31         15         12         14         75         40         619         556         457         396         283         430         482         4,943         4,943         4,600         9,543         1,071           Mysore State         5,451         5,078         9167         7,353         4,112         4,043         3,533         3,023         2,962         3,982         29,529         26,973         56,502         854         1           City         3         3         2         2         3         2         2         3         2         3         2         3         3,633         3,023         3,962         29,529         26,973         56,502         854         8         8         8         8         8         8         8         8         8         9         8         8         8         9         8         8         8         8         9         8	:		647	523	527	408	347	342	3 <b>8</b> 6	430	420	296	205	2.2	2,479	2,129	4,608	871	993
Mysore State         31         15         22         10         23         4,112         4,043         3,533         3,023         2,962         29,529         29,529         26,973         56,502         854         7           City          31         15         22         10         29         24         19         11         9         10         20         34         43         52         84         45         4		;	838	930	2,161	1,487	904	619	556	457	968	283	430	482	4,943	4,600	9,543	1,071	8 <b>5</b> 2
City        31       15       22       10       29       24       26       34       52       34       43       26       172       174       346       182         y         15       13       12       16       24       19       11       9       10       20       11       15       95       80       175       152       2         Field        42       34       39       60       38       34       52       52       43       45       45       45       320       198       518       615       6	Mysore State		5,451	5,078	167			4,038		-				3,082	29,529	26,973	56.502	854	784
Field 42 34 39 60 38 34 34 52 52 48 45 45 19 11 15 320 198 518 615		:	231	15	22	10	56	24	96	34		94	43	26	172	174	346	182	85
Field 42 34 39 60 38 34 34 52 52 43 45 45 320 198 518 615	Λ	• .	15	13	12	16	24	19	11	6	10	50	F	15	98	08	175	152	278
		•	42	34	39	09	89	34	34	52	52	43	45	45	320	198	518	615	609

TABLE 14.

Reported Deaths from Dysentery and Diarrhæa in the Districts and Cities of the Mysore State in each Month of the Year 1934.

}											( )			١
De	of	1933	124	91	##	31	0.1	98	96	46	74	403	268	421
Number of	per 1,00,000 Fopulation	1934	107	49	99	45	61	104	110	<u>r</u> o	62	268	586	361
from	iarrhœa	Total	1,219	334	334	158	533	1,612	585	453	5,225	746	929	304
Total Deaths from	Dysentery and Diarrhœa	Female	266	135	158	89	245	762	243	222	2,399	342	179	162
Total	Dysente	Male	653	199	176	06	288	850	රිසිස	231	2,826	404	150	142
	190	Decemp	100	45	14	12	54	123	47	49	459	56	16	21
	ber	Мочепп	124	34	13	16	35	134	92	42	478	88	53	F
	,	October	08	45	44	14	48	132	46	33	481	58	19	50
	ры	Septem	126	58	30	19	35	181	06	30	528	69	45	25
		tsu3u <b>A</b>	127	46	30	5.6	02	141	7.1	000	541	82	27	40
		Ling	117	45	49	16	38	140	38	57	500	78	37	31
		June	101	11	42	17	69	134	35	99	442	63	24	46
-		V&M	87	E-	44 80	0	52	125	23	21	372	40	23	38
		lirqA	85	∞		H	88	123	9	30 30	331	62	25	24
		March	70	6		C1	19	135	98	23	310	59	22	10
	S.	Pebruai	79	4.	9	11	30 20 20	991	35	25	371	51	23	50
	1	1snusr.	118	12	. 92	70	40	128	36	47	412	92	30	18
			:	•		:	•	:	•	*	:	•	•	•
		FICT	:	•	© U	•	:	•	:	•	e State	:	:	• •
	6	District	Bangalore	Chitaldrug	Hassan	Kadur	Kolar	Mysore	Shimoga	Tumkur	Mysore	Langalore City	Mysore City	Kolar Gold Field

TABLE 15.

Reported Deaths from Respiratory Diseases in the Districts and Cities of the Mysore State in each Month of the Year 1934.

t m		,									1 (			
mber of Deaths per 1,00,000 of Population	1933		125	35	18	24	35	26	49	53	51	586	67	185
Number per 1,0 Popul	1934		123	40	<b>3</b>	30	64	75	42	52	99	568	281	508
s from Diseases	Total		1,396	275	213	106.	556	1,160	222	461	4,389	1,081	323	176
	Female		681	16	88	41	245	497	80	217	1,935	545	143	65
Total Death Respiratory	Male		715	184	130	65	311	663	142	244	2,454	536	180	111
mper	Dece		122	25	21	6	80	112	22	20	411	81	30	23
трек	элоИ		82	56	8	12	56	601	42	788	371	99	30	15
Jer.	dotoO	 ! !	103	36	25	00	46	111	12	26	367	09	27	16
smper	Septe	9	160	31	27	21	49	78	25	56	416	116	24	18
ds:	nSn <b>y</b>	1	901 -	75	24	11	35	99	24	53	337	91	19	13
	luly	. (	101	14	22	10	31	99	13	13	269	73	13	15
	June	(	112	Ξ.	15	<u>[</u>	47	99	16	<u></u>	283	85	9	<b>I</b>
	May	(	104	133	15	Cd.	44	55	18	46	297	94	44	10
I	iaq <b>A</b>	Č	10.	16	25	က	47	104	9	<del>2</del>	346	88	38	13
ч	Marc	0	133	29	13	00	55	157	15	89	478	106	57	127
(dagn.	Tebr	, (	129	19	Į-	9	35 30	129	0	89	402	66	48	19
raer	nast	7	142	10	11	133	31	107	20	78	412	127	27	
District			•	:	•	•	•				Mysore State	•	•	
Di		F	Sangalore	Chitaldrug	Hassan	Kadur	Kolar	Mysore	Shimoga	Tumkur		Bangalore City	Mysore City	Kolar Gold Field

TABLE 19.

Reported Deaths from Injuries in the Districts and Cities of the Mysore State in each Month of the Year 1934.

100	)	ı									1 1			1
Number of Deaths per 1,00,000 of Population	1983		21	16	10	21	32	14	14	21	19	25	10	103
Number per 1,0	1984	3	25	20	ia m	<del>ا</del>	Ci	28	14	2	21	60	15	108
from	Total	(	E 80	135	68	53	235	356	91	154	1,379	50		91
Total Deaths Injuries	Female	ę c	131	58	48	21	101	163	58	22	627	56	-11	828
Tota	Male	1	150	1.1	41	32	134	193	48	22	752	89	13	63
шрег.	Dece		35	10	11	9	24	30	4	11	131	6	ro	15
radra	Nove	,		12	ಸಂ	<u>-</u>	22	56	10	9	103	4	:	-
06r	Octo		24	16	œ	<u>r-</u>	16	22	C)	19	114	41	<b>H</b>	∞
emper	Sept		್ ನಾ ನಾ	12	70	67	12	31	7	တ	106	භ	H	4
tai	n8n <b>y</b>			12	9	41	17	23	5	1	91	ಞ	Н	6
	Luly	- 1	20	11	11	70	50	50		16	140	63	H	6
	Эппе		 	00	11	<del>1</del> 1	55	38	5	$\infty$	119	10	70	9
	May		56	17	4	C3	27	57	6	56	168	6	-	10
	Liad A		 65	14	4	<b>C</b> 3	က	87	က	9	113	63	:	<b>o</b>
ч	Marc		14	12	7	ಸ್ತ	19	56	9	23	112	<u></u>	П	က
Kaen	церы		<b>∞</b>	က	10	4	11	32	11	6	80	Н	:	2
ary	nast		17	œ	7	ت	12	233	12	10	94	5	Н	70
			•	*	*	*	:	:	:	*		:	:	:
40.5	District		•	•	:	:	•	•	:	*	Mysore State	;	:	:
			Bangalore	Chitaldrug	Hassan	Kadur	Kolar	Mysore	Shimoga	$\mathbb{T}\mathrm{umkur}$	IMS	Bangalore City	Mysore City	Kolar Gold Field

TABLE 20.

Reported Deaths from Suicides in the Districts and Cities of the Mysore State in each Month of the Year 1934.

	Total	80	28	9	က	32	65	- 22	23	218		4	ବଦ
Total	Females	20	13	<b>C</b> 3	:	18	98	~	7	110	4	C3	<del></del> 1
	Males	19	15	4	က	4	59	15	6	108	က	<b>C</b> 3	Cl
ri.	Total	9	:	-	:	ှကာ	+	:		15		:	:
Dec.	Lemsles	ಣ	0	:	:	67	က	:	H	6	:	:,	•
	Males		:	<u>1</u>	:		p(	:	:	9		:	:
٧.	IstoT	2	က	H	r—i	C4	70	<del>,</del>	:	15		•	
Nov.	Females				:	-	C3	p	<u> </u>	1 1-	1		
	Males	- quant	_CV	;			ବର	:	:	000	:	:	
October	Total	4	4		p=-1	4		:	9	1 27	2	<del></del>	
)ctc	Females	_ CN_	:	:	:	_C7	က	:	4	=			-
	Males		4	Fri		Ç;	4	:	C1	16		<b></b>	62
pt.	Total		9		:	:	9	:	က	23	<u> </u>	:	<u>:</u>
Sept.	Females	_C4	ရာ	:	:	<u>:</u>	<u> </u>	:	<del>1</del>	<u>  6</u>	<u>  :</u>	<u>:</u>	:
	Males		ಌ		:	:	<u>್</u>	:		14		:	•
August	Total	4	<u>ت</u>		:	<del></del>	2	:	ന 	02			:
Au	Females		C.I	:	•	:	4	<del></del> -	က	10 10	<u>  : </u>		•
	Males		<u> </u>	:	•	panel .	<u> </u>	:	<u> </u>	1	<u> </u>	· ·	•
ıly	Total	7		<u>.</u>	•	<u></u> .	- 			282			•
Jul	Females	4		:	:	<u> </u>		:	•	0 12		:	<u>:</u>
	Males	<u> </u>	:	•	•	:	41	C)	<u>F1</u>	1 10	<u>                                      </u>	<del>                                      </del>	
June	Females Total		•	:	:	H	നാ 	 		13 18	:	:	
L	Males		:	<u>:</u>	:	2 9	2	2	* ******	5		<u>·</u>	·
by .	IstoT	ಣ	:		<del></del>	:	9	9		133	C3	:	:
May	Females	က	:	:	:	:	70	<del></del>	:	6	C7	:	:
	Males	<u>:</u>	:			:		ಸಾ	H	<b>O</b>	l : [	:	:
April	Total .	23	ଦ	•	:	22	<b>10</b>	:	C)	14	:		:
Ap	Males Fennales	:		:	:		<b>C</b> 7	:	<del>-</del>	2	-	:	· · · · · · · · · · · · · · · · · · ·
	Total	:	<u> </u>	:	:	<u>−</u> ∞	<u>ස</u> ව	<del>.</del>	<del></del>	15 9	:	<del>-</del>	:
March		*,	:	•	•					1	•		
Mg	Males	:		0	;	6		27	-	9 6	:	p-mi	
	[stoT]		67	<del></del> -	:	:	6	(3)	61	17 8	:	:	•
Feb.	Females		C2		:	:	5	27		122		:	*
	Males	:	:	:	:	:	4	:		ما	:	:	
ary	IstoT	C3	23	:	.:	:	63	9	CJ	14	:	:	:
January	Females	C2	<b>C</b> 3	:	i	:	H		<del>, ,</del>	7	: .	:	:
	Males	:	•	:				າລີ		-1		:	
		:	:	:	:	-	* *	:	:		i i	:	:
	District	Bangalore	Chitaldrug	Hassan	Kadur	Kolar	Mysore.	Shimoga .	Tumkur	Mysore State.	Bangalore City	Mysore City	Kolal Gold Field
1		Ä	5	H	K	K	M	S	H		B	M	M

Reported Deaths from Wounds and Accidents in the Districts and Cities of the Mysore State in each Month of the Year 1934.

from	Total	197	89	15	32	177	232	41	86	920	20	12	80
Total Deaths from Wounds and Accidents	Female	96	30	45	6	30	106	15	1	421	25	67	56
Total W	Male	101	38	03	53	104	126	56	51	499	28	10	19
преъ	Decei	56	2	10	9	19	. 65	<del>*  </del> 1	10	108	$\infty$	50	15
шрег	элоЛ	10	9	দ	٠ ي	19	19	2	41	74	22	:	9
190	Octo	10	ಸರ	9	<b>ভ</b> লুৰ	\$	6.	01	တ	61	1	:	9
mper	Septe	17	භ	තා	o 0 0	œ	14	73	ಣ	20	೧೦		4
, ats	nSuV	9	4	9	C3	ಣ	15	+	" <del>" </del>	51	2	•	9
	Luly	24	.9	တ	<b>-</b>	91	10	ಯ	00	92	2	•	6
	ηαπе	17	4	6	41	$\infty$	30	က	9	81	10	20	ಸಾ
	May	19	12	C/J	•	24	တ	•	24	119	-	:	10
	lirqA	50	[-	4	Ħ	08	18	23	2	84	2	:	00
U	orsM	14	σ <sub>0</sub>	2	F	10	50	ଅ	16	78	7	•	භ
rsty	глерд	L	-	<u> </u>	က	10	50	∞	_	. 65	1	*	<u></u>
rr.A	3nus <b>t</b>	15	5	7	, LO	C)	19	4	9	73	5	H	io
		:	:	:	*	: 4	:	•	•	tate.		•	:
District		Bangalore	Chitaldrug	Hassan	Kadur	Kolar	Mysore	Shimoga	Tumkur	Mysore State.	Bangalore City	Mysore City	Kolar Gold Field

TABLE 23.

Reported Deaths from Injuries caused by Wild Beasts in the Districts and Cities of the Mysore State in each Month of the Year 1934.

	s caused Beasts	Total	45	39	$\infty$	18	56	59	13	89	241	2	г	1
	Death Wild	Female	15	15	-	12	10	21	9	16	96		:	Н
	Total by	Male	08.	24	<u> </u>	9	16	<b>30</b>	La	21	145	5	prod	;
	прек	Ъесеі		ಭಾ	•	:	63	ന	:	•	90		•	•
	mper	ЭлоИ	ස	က	•		-	CN	63	61	14		:	:
	J6L	OctoO	1		H	67	41	9	:	25	36	:	:	•
	mper	Septe	6.	က	<b>~</b>	2	41	11	•	ကာ	33	:	:	:
)   	ta	n.3n <b>Y</b>	က 	ന്ത	:	CN	က	4	H	4	20	•	•	•
		luľ	61	<b>න</b>	က	4	က	<del></del> 1	ଅ	<b>L</b> -	45		:	:
		9un <b>c</b>	5	41	67	:	က	9	:	H	50		:	H .
		May	4	ಸರ		<del></del>	ಣ	13	က	Н	31	•		? •
		liadA	П	4	:	<del>,</del>	7	5	H	73	15	: /	:	•
	ų	Marc		നാ	•	4	<u> </u>	4	П	9	19	•	•	•
	nsry	церы	:	:	•			ရာ	<del></del> 1	•	9		•	•
	er.Y	unst		m	•	•	•	7	CN	67	7	•	•	•
			i	:		•	•	•	:	•			0	:
	District		Bangalore	Chitaldrug	Hassan	Kadur	Kolar	Mysore	Shimoga	Tumkur	Mysore State	Bangalore City	Mysore City	Kolar Gold Field

TABLE 26.

Reported Deaths from All Other Causes in the Districts and Cities of the Mysore State in each Month of the Year 1934.

	District			nsry	ruary	цэ.	li		Э		qsn2	temper.	oper	rember	emper	Total O	Total Deaths from Other Causes	rom All	Percol	Percentage of Total Reported Deaths
				nst	qэД	usM	ıqA	May	unc	Հլո <b>ւ</b>	⊰n∀	dəg	JoO	voV	Dec	Male 1	Female	Total	1934	1933
Bangalore				603	576	597	593	524	511	536	266	516	892	718	839	3,761	3,586	7,347	40.55	43.83
Chitaldrug	:	*	:	356	281	242	213	206	140	172	236	510	553	647	601	2,148	2,009	4,157	27.67	20.90
Hassan	•	:		183	149	169	189	143	125	144	160	167	157	544	516	1,292	1,354	2,646	28.64	26.83
Kadur	•	*	:	78	108	134	148	114	94	06	117	116	155	131	181	721	202	1,426	29.85	86.68
Kolar	•	:	•	471	310	415	313	303	340	377	408	295	377	463	487	2,311	2,248	4,559	38.83	44.50
Mysore	•	•	•	590	499	599	<b>5</b> 69	415	391	573	525	493	530	614	543	3,122	9,219	6,341	22.18	34.01
Shimoga	•	•	:	808	248	244	190	190	173	200	307	205	371	979	892	1,926	1,904	3,830	38.15	35.18
Tumkur	•	•	:	414	390	433	377	305	332	469	212	583	521	583	467	2,511	2,522	5,033	31.83	31.58
	Mysore	State	:	3,003	2,561	2,833	2,592	2,197	2,106	2,561	2,531	2,835	3,432	4,326	4,352	17,792	17,547	35,339	31.11	33.39
Bangalore City		•	:	196	250	240	218	202	193	219	238	219	886	384	442	1,593	1,551	3,144	55.26	55.30
Mysore City	•	•	•	129	115	127	118	119	96	117	136	127	140	174	181	772	807	1,579.	59.70	08.79
Kolar Gold Field	:	•	*	124	108	97	96	36	1111	111	118	126	151	120	158	733	829	1,411	54.37	52.16

TABLE 27.

Alphabetical List of Taluks in Mysore State, giving Statistics of Births, and of Deaths

	ath		Cholera	13	2	က	20	18	: 1	15	37	: CX	က	:	:	•	<del>,                                    </del>	•	• •	<u> </u>	41
	Cause of Death		Smallpox	12	:	84	49	56	28	85	134	.:0	42	25	135	က	55	ಸಾ	4.6	22	4
	Caus		эпувІЧ	11	11	139	95	128	00 c	109	3	: 85 44	166	449	158	83	92	32 32	<u>}</u>	25	189
	of Infants Vear	tality Rate	1983	10	143.17	54.64	59.65	86.33	80.32	72.17	104.04	126.93	36.57	148.49	43.73	103.51	80.08	114.55	107.95	28.08	94.31
	Reported Deaths of Infants under One Year	Infant Mortality	1934	6	168-25	60.08	95.58	127.82	63.80	83.85	110.94	115.55	19.09	165.87	62.33	111.92	00.66	115.10	113 19	162.62	75.07
54.	$\mathbf{Rep}$	tasi	No. of In Deaths	8	7.1	146	108	181	တိ	144	144	110	174	202	911	214	103	138	121	174	103
Year 1934		Birth-Rate	1933	7	08.61	25.55	11.70	12.49	26.10	10.44	14.74	16.20	19.30	17.16	17.36	17.48	20.45	14.94	17.43	17.53	17.64
s in the	Reported Births	Birth	1934	9	18.17	26.21	15.58	12.56	22.27	10.79	\$6.8T	9.75	21.16	13.92	18.71	18.49	12.37	14.99	14.95	12.90	12.29
Diseases	Repor	,	Born	20		€	οld	lal	is/	7.B	to	u s	 I I, G	n.B	y (	əte	olq	lm	.o	)	•
٠ ١		Births	Born Alive	4	422	1,823	1,130	1,416	1,301	1,718	1,242	952	2,871	1,248	1,845	1,912	1,101	1,199	1,069	1,070	1,372
trom different		Estimated Population as on	July 1, 1934	ဢ	23,226	69,541	72,541	112,698	58,425	797,691	10,837	97,647	135,701	89,677	98,603	103,403	63,391	80,012	71,501	82,951	111,631
,			,	:	:	:	:	:	:	•	•	: :	•	:	•	:	:	:	:	:	:
	в.	Taluk		2	Alur (Sub), Hassan	Anekal, Bangalore	Arkalgud, Hassan	Arsikere, Hassan	Bagepalli, Kolar	Bangalore, Bangalore	Benry, Hassan	Challakere, Chitaldrug	Chamarajnagar, Mysore	Channagiri, Shimoga	Channapatna, Bangalore	Channarayapatna, Hassan		Chikmagalur, Kadur	Chiknaikaphalli, Tumkur	Chintamani, Kolar	Chitaldrug, Chitaldrug
		No.		г	1	CJ	က	<del>-1</del> 1:	ಬ ಚ	2 02	o	0 0	10	11	12	ස :	14	15	16	).T	18

		20		23.04 14.42 12.67 13.18 13.09 6.98 14.94 14.94 16.53 11.96 16.53 14.98
Deaths	-Rate	1933	31	821188 944743006119462
Total Reported Deaths	Death-Rate	1934	30	17 09 16 68 16 68 16 25 15 25 12 07 8 41 16 74 17 73 17 91 19 34 10 23 23 30
Total I		Deaths	53	297 1,160 1,225 1,225 1,719 1,140 1,440 1,862 2,124 1,862 1,862 2,633 2,601
		All Other Causes	58	158 308 308 308 308 444 477 477 604 673 709 709 709 709
		səidsA	27	Soldslisva ton serngh etelquio
	Э	Snake-bit	26	Complete figures not available
	bliW	Killed by Beasts	25	:000 : 10 : 14 10 00 00 11 00 12 12 12 12 12 12 12 12 12 12 12 12 12
		s sbanoW tasbissA	24	64 62 62 7 7 : : : : : : : : : : : : : : : : :
		Buinvora	23	eldslisvs ton serngit etelqmoD
ath		Suicide	55	[4 :Q :Q : H4LQLE :40Q
use of Death	Ų.	Child-birt	21	Somplete figures not available
use o		Leprosy	20	Complete figures not available
Ca	noir	Consump	19	Somplete figures not available
		otsriqeə <b>A</b> səssəsiU	18	111 122 339 335 1117 1117 1117 1117 1117 1117 1117
manufacture of the state of the		Dysenter Diarrhæ	17	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
The state of the s	ver's	Ofper Fe	16	183 249 655 1,078 481 581 618 1,068 976 976 541 1,040 1,040 397 1,603
ı	biodq			Complete figures not available
		RiralaM	14	Somplete figures not available
		0	:	e dan ru
	Taluk			Alur (Sub), Hassan Anekal, Bangalore Arkalgud, Hassan Arsikere, Hassan Bagepalli, Kolar Bangalore, Bangalore Belur, Hassan Bowringret, Kolar Challakere, Chitaldrug Channagiri, Shimoga Channagiri, Shimoga Channapatna, Bangalore Channarayapatna, Hassan Chikballapur, Kolar
	No.			10004000000000000000000000000000000000

TABLE 27—contd.

ath		Cholera	13	::::::::::::::::::::::::::::::::::::::
Cause of Death		Smallpox	12	188 188 188 198 198 198 198 198 198 198
Cause		Plague	П	141 179 163 288 288 111 184 184 160 86 315 56 160 43 66 110 89
of Infants Year	tality Rate	1988	10	29.91 173.46 65.53 62.57 114.00 67.81 125.20 26.41 125.33 72.34 60.53 129.74 146.51 166.67 15.86 67.03 152.70
Reported Deaths of Infants under One Year	Infant Mortality Rate	1934	6	97.89 133.81 114.60 73.74 162.39 121.60 174.30 71.16 102.40 117.28 147.63 90.31 93.79 168.20 119.00 86.31 68.52
Rep	1 -	yədmuN Tansini	- 80	153 186 121 157 399 250 118 1113 1113 112 243 68 136 148 100 176
	Birth-Rate	1933	2	23.97 19.61 17.30 21.84 20.43 19.31 32.95 16.02 20.16 17.69 17.69 17.69 10.79 18.96 16.81 16.20
Reported Births	Birth	1934	9.	23.94 13.92 15.39 23.25 23.57 17.80 36.59 19.45 15.97 12.98 11.76 14.19 22.68 10.15 16.22 20.20
Repor		Born	5	Complete figures not available.
	Births	Born Alive	4	1,563 1,390 1,054 1,994 2,457 2,056 6,77 1,588 1,671 1,833 1,015 918 955 1,015 958 1,088 1,088 1,088 1,152 2,576
	Estimated Population as on	July 1, 1934	ഓ	65,294 99,857 68,492 85,746 104,255 115,513 18,503 82,990 45,046 104,627 78,169 78,169 78,169 78,159 66,126 59,055 94,303 127,512
	Taluk		62	Closepet (Sub), Bangalore Davangere, Chitaldrug Dodballapur, Bangalore Goribidnur, Kolar Gubbi, Tumkur Gudibanda (Sub), Kolar Gudibanda (Sub), Kolar Harihar (Sub), Chitaldrug Heggaddevankote, Mysore Hiriyur, Chitaldrug Hole-Narsipur, Hassan Hole-Narsipur, Hassan Hoskote, Bangalore Hoskote, Bangalore Hunsur, Mysore Jagalur, Chitaldrug Kadur, Kadur Kankanhalli, Bangalore
	No.			100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

eaths	-Rate	1933	31	13.87 28.80 11.90 16.68 14.83 11.07 17.51 19.50 29.30 29.30 22.77 11.41 14.22 32.78 9.40
Total Reported Deaths	Death-Rate	1934	30	14.56 17.21 15.58 15.62 21.78 12.74 20.00 19.95 25.90 26.76 22.39 15.42 13.77 12.58 12.58
Total .	,	Deaths	G	951 1,719 1,339 2,271 1,472 1,514 2,092 1,514 1,670 1,159 1,597 1,636 1,636
		All Other Causes	28	4444 6554 405 961 174 174 839 879 879 879 879 879 879 879 879 879 87
		Rabies	27	Complete figures not available.
	ət	id-9AsaR	26	Complete figures not available.
	DIIM A	Killed by Beasts	25	:40000001010000 :14004461
	sti	Wounds Acciden	24	81188686111 :020 980 1 2 3 4 6 2 1 1 1 1 2 1 2 3 4 6 2 1 1 1 1 2 1 3 4 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		ninword	23	Complete figures not available.
Death		Suicide	22	00: 00- 14: 40: 100-10
of D	чт	rid-blidD	21	Complete figures not available.
Cause		Leprosy	20	Complete figures not available.
Ö	noitq	ImnsnoO	19	Complete figures not available.
	Sory	Respirat Disease	18	2000 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	Dea	Dysente Diarrho	17	6.69 144 150 150 150 150 150 150 150 150
	evers	Tother F	16	381 722 482 623 1,045 1,045 178 980 713 7135 7135 7135 7135 7135 7135 7135
		biodqyT	<b>10</b>	Complete figures not available.
		sirslaM	14	Complete figures not available.
	Taluk			Closepet (Sub), Bangalore Davangere, Chitaldrug Devanhalli, Bangalore Govanhalli, Bangalore Goribidnur, Kolar Gubbi, Tumkur Gudibanda (Sub), Kolar Gundlupet, Mysore Harihar (Sub), Chitaldrug Hassan, Hassan Heggaddevankote, Mysore Hirryur, Chitaldrug Holalkere. Chitaldrug Holalkere, Chitaldrug Hoskote, Bangalore Hunsur, Mysore Jagalur, Chitaldrug Kadur, Kadur Kadur, Kadur Kankanhalli, Bangalore
	No.			0.000000000000000000000000000000000000

TABLE 27—contd.

eath		Cholera	13	: 62 : 62 : 63 : 64 : 65 : 65 : 65 : 65 : 65 : 65 : 65
Cause of Death		Smallpox	12	2000 2000
Cau		Plague	11	98 122 124 124 124 125 127 128 181 181 181 181 181 181 181
of Infants Year	tality Rate	1938	10	68.22 135.37 63.69 70.45 70.45 129.87 55.22 33.90 128.61 80.23 62.74 149.17 123.57 44.06 120.75
Reported Deaths of Infants under One Year	Infant Mortality Rate	1984	6	106.37 101.90 115.03 123.41 152.91 84.49 55.82 196.01 109.56 146.28 94.64 182.89 198.34 108.19 88.07 104.18 157.53
Repo		No. of In	<b>3</b> 0	22. 445. 124. 253. 253. 253. 283. 177. 101. 101. 197. 197. 197.
	-Rate	1933	1-	19.63 17.79 16.31 16.31 17.02 17.02 17.02 17.02 14.63 14.63 14.63 14.63 14.74 14.53 14.53
rted Births	Birth-Rate	1934	9	21.49 12.95 15.38 17.16 21.12 13.43 19.92 19.92 16.94 14.31 14.31 15.94 14.04 15.94 14.04 18.08 18.08
Report	(0)	Born Dead	10	Complete figures not available
	Births	Born Alive	4	2,087 1,07 <b>8</b> 2,050 2,050 327 1,254 1,954 1,363 654 654 1,891 1,891 1,805
	all o	July 1, 1934	33	97,119 \$2,591 70,085 118,251 19,058 105,854 93,381 98,092 109,455 75,933 95,253 50,653 46,585 77,103 77,103 77,103 77,103 17,594 86,729 88,729 88,729 180,372 17,976
	Taluk			Kolar, Kolar Koppa, Kadur Koratagere (Sub), Tumkur. Krishnarajapete, Mysore Kumsi (Sub), Shimoga Kumigal, Tumkur Maddur, Mysore Malvalli, Mysore Malvalli, Mysore Manjarabad, Hassan Molakalmuru, Chitaldrug Mudgere, Kadur Mubagal, Kolar Mysore, Mysore Mysore, Mysore Nagamangala, Mysore Nagamangala, Mysore Nagamangala, Mysore Nagar, Shimoga Nanjangud, Mysore Nagar, Shimoga
	No.	1	H	01444444444444444444444444444444444444

TABLE 27—contd.

)eaths	Death-Rate	1983	18	13.52 14.96 14.96 11.51 10.75 10.33 10.71 13.48 10.56 14.28 11.57 13.66 14.73 10.68
Total Reported Deaths	Death	1934	30	14:69 12:70 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00
Total		s dt s 9 (	58	1,427 4114 990 2,301 1,265 1,461 1,983 1,432 1,432 1,432 1,503 1,503 1,503 1,900 1,503
		All Other Causes	58	448 409 409 409 409 409 409 409 409
		Rabies	27	Complete figures not available.
	91	Snake-bit	97	Complete figures not available.
	bliw	Killed by Beasts	25	одюю :oю :uvнд :юндыдюю :
	st	s sbanoW nebiooA	24	21:12 200 200 200 200 200 200 200 200 200 2
	0	Drowning	23	Cemplete figures not available.
ath		Suicide	22	то : сисода : нахона : н ; си : : но н
Cause of Death	чэ	Vhild-bir	12	Complete figures not available.
nse		Leprosy	20	Complete figures not available.
Cã	noit	dunsaoo	19	Complete figures not available.
	. Λ.τ.	Respirate Diseases	18	130 80 80 80 80 80 80 80 80 80 8
	y and	Dysenter Odruka Odruka	17	101 101 101 101 101 101 101 101 101 101
	SJƏA	эд тэйдО	16	568 217 575 1,223 1,223 1,021 1,110 1,102 1,275 448 253 1,003 320 827 176
		DiodqvT	15	oldslisvs ton serngh etelqmo0
		sinslaM	14	Oomplete figures not available
	,			
	. Taluk			Kolar, Kolar Koppa, Kadur Kortagere (Sub), Tumkur Krishnarajpete, Mysore Kunigal, Tumkur Maddur, Mysore Malduri, Mysore Malvalli, Mysore Malur, Kolar Mandya, Mysore Mandya, Mysore Mandya, Mysore Mudgere, Kadur Mudgere, Kadur Mudgere, Kadur Mysore, Mysore Mysore, Mysore Nagamangala, Mysore
	No.			44444444444444444444444444444444444444

TABLE 27—concld.

da		Cholera	13	
of Dea		xoqlism2	12	51 198 198 198 118 118 43 43 43 43 43 43 43 43 44 43 43
Cause of Death		Plague	11	95 44 44 44 17 17 181 181 181 181 181 17
Infants	lity Rate	1933	10	90.58 132.34 85.81 92.61 43.87 110.80 71.54 230.16 178.00 64.81 90.59 103.31 138.23 103.31 125.88 74.41 97.59 61.74
Reported Deaths of Infants under One Year	Infant Mortality Rate	1934	6	84.87 216.85 133.85 105.32 112.48 105.32 112.76 129.03 123.44 123.44 123.44 123.44 123.44 123.44 123.44 123.44 123.44 123.44 123.44 123.44 123.44 123.44 116.87 91.18
Repor		No. of Integration	<u> </u>	147 146 196 196 144 168 172 1972 1985 1986 1986 1988 208 1988 208 1988 208 1988 1988 1988 1988 1988 1988 1988 19
	Rate	1933	7	21.02 24.25 13.35 17.47 17.47 10.30 16.24 19.81 16.91 16.91 16.92 16.93 16.93 16.93 16.93 16.93 16.93 16.93 16.93
Reported Births	Birth-Rate	1934	9	21.33 21.46 17.22 21.46 19.12 23.23 14.41 17.87 16.00 17.89 16.47 16.47 17.63 23.17
Repor		Born	5	Jeldaliava ton serugh etelqmoD
	Rirths	Born Alive	4	1,732 1,614 1,614 1,92 1,861 1,277 1,302 1,056 1,855 1,056 1,847 1,009 1,678 1,678
	Estimated Population as on	July 1, 1934	က	81.207 75,199 45,129 55,375 97,336 60,480 102,854 58,966 8,946 72,222 7,2065 77,2065 77,2065 78,958 106,202 128,837 45,422 95,176 33,269
	Taluk			Nelamangala, Bangalore Pavagada, Tumkur Periyapatna (Sub), Mysore Sagar, Shimoga Seringapatam, Mysore Shikarpur, Shimoga Shimoga, Shimoga Sidlaghatta, Kolar Sira, Tumkur Sorab, Shimoga Sringeri (Jahgir), Kadur Tarikere, Kadur Tiptur, Tumkur Turuvekere (Sub), Tumkur Turuvekere (Sub), Tumkur Turuvekere (Sub), Tumkur Krishnarajnagar, (Yedatore) Yelandur (Jahgir), Mysore
	No.			65 65 65 65 65 65 67 77 77 77 75 75 76 88 69 77 77 77 78 78 78 78 78 78 78 78 78 78

			1
eaths	Rate 1933	31	11.26 19.67 13.65 14.70 13.68 19.59 14.09 6.98 24.88 17.16 12.41 18.90 18.90 11.55 11.55 11.55
Total Reported Deaths	Death-Rate	30	12.40 27.71 20.30 15.13 17.52 21.47 13.26 19.20 16.29 16.29 17.83 19.83 19.83 19.23 16.56
Total	Deaths	53	1,007 2,084 916 838 1,705 1,180 1,132 1,132 1,135 1,135 1,1463 1,46 637 1,530 1,530
	All Other sauses	28	6550 160 160 367 819 629 470 629 470 659 659 160 160 160 160 160 160 160 160 160 160
	səidsA	27	Complete figures not available.
	Snake-bite	97	Complete figures not available.
	Killed by Wild	25	:wa :ouu :owaoroou44aoa
	Wounds and Accidents	24	111 : 912 : 81 : 18 4 44 9 1 CL 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Drowning	23	Complete figures not available.
eath	Suicide	22	:4474 : wu :44 : 141 : 161
anse of Death	Child-birth	21	Complete figures not available.
anse	Leprosy	20	Complete figures not available.
O	Consumption	19	Complete figures not available.
	Respiratory Diseases	18	100 100 100 100 100 100 100 100 100 100
	Dysentery and Diarrhæa	17	
	Other Fevers	16	1,360 1,360 1,360 943 414 606 1,446 1,446 1,446 240 240 240
-	Typhoid	15	Complete figures not available.
	sirs <b>lsM</b>	14	Complete figures not available.
	Taluk		Nelamangala, Bangalore Pavagada, Tumkur Periyapatna (Sub), Mysore Sagar, Shimoga Seringapatam, Mysore Shikarpur, Shimoga Shimoga, Shimoga Sidlaghatta, Kolar Sira, Tumkur Sorab, Shimoga Sringeri (Jahgir), Kadur Tringeri (Jahgir), Kadur Trithahalli, Shimoga TNarasipur, Mysore Tumkur, Tumkur Tirthahalli, Shimoga TNarasipur, Mysore Tumkur, Tumkur
	No.		668 668 668 668 668 668 668 668 668 668

TABLE 28.

phabetical List of Towns in Mysore State, giving Statistics of Births, and of Deaths from different Diseases in the Year 1934.

eath		Сподета	13	: : : : : : : : : : : : : : : : : : :
Cause of Death		Smallpox	12	113 163 154 157 : : : : : : : : : : : : : : : : : : :
Caus		Plague	Ħ	25 11 10 11 12 23 11 12 12 12 12 12 12 12 12 12 12 12 12
of Infants of Age	tality Rate	1933	10	29.41 209.88 28.85 73.17 151.99 31.91 97.56 177.47 60.00 87.60 134.70 155.84 177.78 87.60 134.77
Reported Deaths of Infants under One Year of Age	Infant Mortality Rate	1934	6	115.38 14.71 247.31 102.44 157.89 114.29 34.09 179.56 189.47 134.83 369.23 369.23 369.23 369.23 369.23 369.23 369.23 369.23
Repo	tus	No. of Inf Deaths	8	23 23 1,163
,	Birth-Rate	1933	-1	31.34 24.71 32.98 16.74 16.94 42.19 30.09 31.98 20.24 4.93 15.66 38.25 13.52 28.62
Reported Births	Birth	1934	9	20.89 20.89 28.37 11.61 21.18 39.50 19.83 19.83 19.83 19.83 19.98 19.98 19.98 19.98 19.98
Report	f-	Born	70	Complete figures not available.
	Births	Born Alive	4	26 68 93 205 57 140 88 50 65 176 95 212 50 295 74
	Estimated Population as on	July 1, 1934	. നാ	3,450 3,255 3,255 6,307 6,307 6,611 2,228 4,906 4,001 3,278 6,405 6,405 8,846 8,739
	Town or City, Taluk		67	Agaramamballi, Yelandur Ajjampur, Tarikere Alur, Hassan Anekal, Anekal Arkalgud, Arkalgud Arsikere, Arsikere Bagepalli, Bagepalli Banavar, Hassan Bangalore City Bangalore City Bangalore City Bangalore City Belakavadi, TNarsipur Belakavadi, TNarsipur Belur, Belur Charasan Birur, Kadur
	No.		-	1984706 000 011 31 4 5 9 1 1 8

TABLE 28—contd.

lphabetical List of Towns in Mysore State, giving Statistics of Births, and of Deaths from different Diseases, in the Year 1934.

	Deaths	-Rate	1933	31	17.20 15.69 13.48 15.69 16.79 2.56 2.56 24.71 15.48 11.74 25.60 10.17
	Total Reported Deaths	Death-Rate	1934	30	6.09 15.36 19.98 14.47 17.70 18.91 15.91 15.90 23.18 6.57 12.27 13.90 13.90 13.90
	Total		Deaths	29	21 50 126 171 117 31 5,689 76 60 77 117 77
		1	All Other Causes	28	848 848 848 848 848 848 848 848 848 848
			Rabies	27	Complete Figures not available.
		9	Snake-bit	56	Complete Figures not available.
		bliw	Killed by Beasts	25	: : : : : : : : : : : : : : : : : : :
		sa	Wounds a	24	: :44 : :0 : :
		, d	guinword	23	Complete Figures not available.
	ıth		Shising	55	:::::::::::::::::::::::::::::::::::::::
	Cause of Death	Child-birth		21	Complete Figures not available.
	use o		Leprosy	20	Complete Figures not available
	Cau	tioit	qansaoO	119	Complete Figures not available.
		) LA	Hespirate Sessesia	18	1,081
		Уу sentery and Біятгіся		17	345 : 45 : 35 : 35 : 35 : 35 : 35 : 35 :
		8197	Other Fe	16	846 647 647 648 648 648 648 648 648 648 648 648 648
			DioddyT	15	Complete Figures not available.
			airalaM )	7-11	Complete Figures not available.
		City, Taluk			ii, Yelandur
		Town or C			Agaramamballi, Yelandu Ajjampur, Tarikere Alur, Hassan Anekal Arkalgud, Arkalgud Arsikere Bagepalli, Bagepalli, Bagepalli, Bagepalli, Banavar, Hassan Banavar, Hassan Belakavadi, TNarsipur Belur, Belur Belur Bowringpet, Bowringpet Challakere Chanarajnagar, Channagiri Channagiri
		No.		τ	10004000000000000000000000000000000000
					5*

ABLE 28--contd.

1th		Cholera	13	
Cause of Death		xoqllam2	12	
Cause		Plague	11	4. :
f Infants of Age	ality Rate	1933	10	33.71 124.03 77.67 62.22 37.31 13.04 50.85 7.81 130.43 49.18 25.46 27.27 18.52 52.63 61.36 131.56
Reported Deaths of Infants under One Year of Age	Infant Mortality Rate	1933	6	19.23 98.36 46.51 60.24 47.62 47.62 90.75 34.60 10.75 11.49 94.34 20.41 87.04 82.63 120.00 185.71
Repor	tus	InI to.oV adtas O	8	4211 22 2 1 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3
	Birth-Rate	1933	<u>1</u>	18 63 24.33 19.13 20.27 46.39 26.22 19.48 18.86 32.08 15.25 18.75
Reported Births		1934	9	14.31 28.98 19.22 16.44 16.74 17.96 18.89 18.89 19.32 14.75 19.33 8.02 8.02
Rep		Born		Complete figures not available.
	Births	Born Alive	41	208 248 248 135 135 108 108 108 108 108 133 108 108 108 108 108 108 108 108
	Estimated Population as on July 1, 1934		89	14,533 11,869 12,903 12,903 11,474 6,571 6,571 6,583 3,016 6,884 11,366 11,366 11,366 11,366 11,368
	Town or City, Taluk			Channapatna, Channapatna Channarayapatna, Channarayapatna Chikballapur, Chikballapur Chikmagalur, Chikmagalur Chikmaikanhalli, Chikmaikanhalli Chintamani, Chintamani Chitaldrug, Chitaldrug Closepet, Closepet Davangere Devanhalli, Devanhalli Dodballapur, Dodballapur French-Rocks, Seringapatam Goribidnur, Goribidnur Gubbi, Gubbi Gubbi, Gubbi Gradibanda, Gradibanda Gudibanda, Gradibanda Gudibanda, Gradibanda Gudibanda, Hassan Hassan, Hassan Hassan, Harihar Heggaddevankote, Heggaddevankote Hiriyur, Hiriyur Hiriyur, Hiriyur
	No.		П	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

Deaths	-Rate	1300	31	6.63 32.25 13.39 16.24 6.81 17.14 24.95 10.62 10.62 10.98 10.98 16.67 18.98 16.67 18.98			
Total Reported Deaths	Death-Rate	1001	30	11.90 20.16 16.18 11.47 10.49 14.76 14.76 16.37 19.32 19.32 11.83 12.13 12.13 12.13 12.13 12.13 14.43 17.27			
Total	Deaths		29	173 173 188 168 168 177 177 189 189 164 164 164 164 164 164 164 164 164 164			
	Other ses		28	236 236 236 236 236 236 236 100 100 100 100 100 100			
	sə i	d&A	27	Complete Figures not available.			
	etid-ex	Snal	26	Complete Figures not available.			
	bliW Vd be		25	:::::::::::::::::::::::::::::::::::::::			
	bna sbut atneb		24	:-: <b>4</b> 0-00000 ::: :0 ::			
	Drowning		23	Complete Figures not available.			
th	əbi	ebioing g :: a :: :: : : : : : : : : : : : : :					
ause of Death	dtrid-b	СРІ	21	Complete Figures not available.			
ise of	Asol	Tepi	20	Complete Figures not available.			
Car	uojadums	Сопа	19	Complete Figures not available,			
	Hespiratory Diseases		18	02 : 12 : 1 : 1 : 2 : 2 : 2 : 2 : 2 : 2 :			
	ептегу вид ктhæв	ayd Dys	17	:: :::::::::::::::::::::::::::::::::::			
	Other Fevers		16	85 85 85 86 87 88 88 88 88 88 88 88 88 88			
	bion	Typl	15	Complete Figures not available.			
	sira	slsM	14	Complete Figures not available.			
	Town or City, Taluk			Charnapatna, Channapatna Channarayapatna, Channarayapatna Chikballapur, Chikballapur Chikmagalur, Chikmagalur Chikmaikanhalli Chikmaikanhalli Chintamani, Chintamani Chitaldrug, Chitaldrug Closepet, Closepet Davangere, Davangere Davangere, Davangere Closepet, Closepet Closep			
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Table 28—contd.

	1		ſ	9 11
)eath	,,,	Cholera	13	
Cause of Death		Smallpox	12	: 10: : : : : : : : : : : : : : : : : :
Cau		Plagne		4.27 : 4.2.24 : :. 5. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
of Infants	ality Rate	666	0	118.28 110.17 215.91 25.00 61.95 61.95 175.84 175.84 175.84 177.24 140.50 29.41 117.82 17.
Reported Deaths of under One Year of	Infant Mortality Rate	1934	6	110.17 239.67 122.45 73.17 58.82 16.67 50.00 26.49 142.86 112.90 147.93 11.43 27.40 15.38 11.43 244.13 0.00
Reporte	tus	Mo. oV and share	. ∞	### ### ### ### ### ### ### ### ### ##
	Birth-Rate	1933	2	22.58 29.74 24.19 16.67 14.57 28.52 17.91 28.52 27.62 31.64 28.44 28.41 29.95 13.93
ted Births		1934	9	14.32 30.49 27.49 27.90 16.19 20.93 20.96 22.52 22.57 22.62 23.60 23
Reported		Born Dead	70	Complete Figures not available.
	Births	Born Alive	41	118 98 123 102 103 4,186 62 67 67 73 73 73 73 107 163 163
1	Estimated Population as on July 1, 1934		က	8,238 3,512 6,777 6,777 7,203 17,100 84,237 2,635 6,335 6,335 6,335 6,335
	Town or City, Taluk			Hole-Narsipur, Hole-Narsipur Honnali, Honnali Hosdurga, Hosdurga Hoskote, Hoskote Hunsur, Hunsur Jagalur Kadur, Kadur Kadur, Kadur Kolar, Kolar Kolar Gold Field, Bowringpet Konanur, Arkalgud Koppa, Koppa Koratagere, Koratagere (Sub) Krishnarajpete, Krishnarajpete Kumsi, Kumsi (Sub) Krishnarajpete, Krishnarajpete Kumsi, Kumsi (Sub) Maddur, Maddur Maddur, Madhugiri Malvalli, Malvalli Malvalli, Malvalli Malvalli, Malvalli Malur, Malur
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52		te	1933	16	17.35 19.91 18.40 17.53 17.53 17.53 17.53 18.70 18.27 18.27 19.88 6.88 6.88
orted Deat	Total Reported Deaths	Death-Rate	1934	30	17.48 20.50 20.50 13.91 12.84 18.88 22.50 20.11 14.42 14.42 14.81 10.67 10.67 14.00 14.10
Total Rer		Deaths		56	22, 36, 25, 26, 36, 36, 36, 36, 36, 36, 36, 36, 36, 3
			All Other Causes	28	258 1.90 1.4111 2.88 1.4111 2.88 2.72 2.89 4.90 4.90 4.90
		. — 1	Rabies	27	Complete Figures not available.
			Spake-hite	56	Complete Figures not available.
		DILAA	Killed by Beasts	25	
		S	Wounds a Accident	24	ц : 04 : 4 : : 42 : : н : : н : : н г : н
			Buinword	23	Complete Figures not available.
eath	eath	Child-birth Suicide		22	
of D				CI CI	Complete Figures not available.
ause	Cause of Death		Leprosy	20	Cmplete Figures not available.
		noid	Consumpt	19	Complete Figures not available.
			Hespirato Biseases	18	25: 12: 25: 25: 25: 25: 25: 25: 25: 25: 25: 2
		B	Dysentery Dysentery Odrania	17	
		Other Fevers		16	25 25 26 27 27 28 28 28 27 27 27 27 28 28 28 28 28 28 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20
1			Typhoid	10 10	Complete Figures not available.
			sirslsM	14	Complete Figures not available.
		luk			pet
Town or City, Taluk					Hole-Narsipur, Closepet Honnali, Honnali Hosdurga, Hosdurga Hoskote, Hoskote Hunsur, Hunsur Jagalur, Jagalur Kadur, Kadur Kadur, Kadur Kolar, Kolar Kolar, Kolar Kolar, Kolar Koratagere, Koratagere (Sub) Krishnarajpete, Krishnarajpete Kumsi, Kumsi (Sub) Kunigal, Kunigal Maddur, Maddur Madlugiri, Madhugiri Madlugiri, Malvalli Malur, Malur Malur, Malur
	o X				44444444444600000000000000000000000000

TABLE 28—contd.

	ath		Cholera	13	
	Cause of Death		Smallpox	12	
	Caus		Plague	11	120 120 130 130 130 130 130 130 130 130 130 13
	of Age	ality Rate	1933	10	172.73 104.48 30.30 234.38 96.00 17.24 113.45 12.66 224.49 62.50 79.65 31.58 119.27 119.27 91.74 12.35 69.77 134.45 38.71
	Reported Deaths of Infants under One Year of Age	Infant Mortality Rate	1934	6	88.24 111.11 76.20 1111.11 89.29 6.45 113.55 30.30 142.86 15.76 0.00 65.93 36.23 102.04 137.61 19.23 74.07
	Reported	tas	No. of Inf Deaths	80	347100 100 100 100 100 100 100 100 100 100
		Birth Rate	1933	7	20.12 25.06 19.81 39.83 31.72 18.92 41.80 45.50 26.98 28.26 33.89 40.68 41.57
	Reported Births		1934	9	24.88 23.56 31.52 28.42 28.42 28.42 26.59 34.92 45.50 45.50 45.50 45.50 23.38 23.38 23.38 25.13
1	Repor	Births	Born	5	Somplete Figures not available
	<i>y</i> 5		Born Alive	4	68 105 63 112 132 132 49 127 91 109 109 119 135 109
	F	Population as on	9 my 1, 1364	භ	2,891 1,607 1,607 1,607 1,007 1,002 2,920 2,920 2,920 2,009 2,000 2,
	No. Town or City, Taluk		63	Mayakonda, Davangere Melkote, Seringapatam Mirle, Yedatore Molakalmuru, Molakalmuru Mudgere, Mudgere Mulbagal, Mulbagal Mysore City Nagamangala, Nagamangala Najkanhatti, Challakere Nanjangud, Nanjangud Narasimharajpur, Narasimharajpur Nelamangala, Nelamangala Nyamthi, Honnali Pavagada, Pavagada Sayar, Sagar Sagar, Sagar Sagar, Sagar Saligrama, Yedatore Saligrama, Yedatore Saligrama, Yedatore Saligrama, Yedatore	
				89900122277777788888 80001222777777788888	

Table 28—contd.

d Deaths	Death-Rate 34 1933	-31	30.00 30.00 16.45 20.41 21.78 24.36 3.91 21.42 14.24 7.62 10.22 11.01 14.57 14.57 14.57 17.69
Total Reported Deaths	Deg	08	20.12 20.94 13.21 25.51 19.54 4.73 23.01 16.40 29.71 13.89 13.87 13.98 26.18 26.18 26.18 26.18 27.05 10.82 12.29
Tota,	Deaths	29	2,645 62 62 62 62 62 77 72 72 70 66 103
	I Other sauses		15 10 10 10 10 10 10 10 10 10 10 10 10 10
	səida	E 5	Complete Figures not available.
	etid-edan	1S 26	Complete Figures not available.
	illed by Wild		:- : : : : : : : : : : : : : : : : : :
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	Suiuwor	3 D	Complete Figures not available.
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use of Death	darid-blid	2 <u>2</u>	Complete Figures not available.
lse o	eprosy	1 8 I	Complete Figures not available,
Car	noitqmusno	0 61	Complete Figures not available.
	espiratory Diseases	B	: ro
	ysentery and Diarrhæa		
	ther Pevers	0 16	118 118 122 123 125 126 127 138 138 138 138 141 141 151 151 151 151 151 151 151 151
	biodqq	T	Complete Figures not available.
	alaria	M 2	Complete Figures not available.
	•		rajpur
	Taluk		vangere apatam Molakalmuru ere asipur nallakere njangud njangud njangud telamangala afli tgada tgada tgada tgada tgada atore espur atore atore
	Town or City, Taluk		ayakonda, Da felkote, Sering firle, Yedatore folakalmuru, I fudgere, Mudg fugur, TNarr fulbagal, Mull Iysore City agar, Nagar anjangud, Najaranjangala, I anjangud, Najaranjangan arasimharajpu eniyapatna, Pe amasamudra, agar, Sagar aklespur, Sakl aligrama, Yed aragur, Hegga
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CABLE 28—concld.

	eath		Сројега	133	
	Cause of Death		Smallpox	12	7
	Caus		ыЗвГТ	17	:: 11 :: :: :: :: :: :: :: :: :: :: :: :
	f Infants of Age	tality Rate	1983	0	58.83 24.19 12.82 79.02 42.86 161.39 241.94 109.09 43.86 88.24 107.84 90.90 107.84 90.90 107.83 64.52 172.97 34.29 101.42 76.92 76.92 18.42
	Reported Deaths of Infants under One Year of Age	Infant Mortality Rate	1934	6	120.00 9.62 65.04 44.16 98.96 154.93 66.04 0.00 69.77 114.58 62.75 110.34 10.31 17.65 144.23 90.91 48.39
	Repor	dus:	No. of Inf sdfa9U	00	21 8 4 1 1 2 1 1 2 1 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2
• 000000		Birth-Rate	1983	2	40.36 19.68 16.01 16.01 16.70 21.72 28.68 22.10 33.98 49.46 35.85 49.46 22.03 22.03 22.03
	Reported Births		1934	9	33.64 16.51 16.51 14.07 30.15 20.60 37.13 36.72 38.35 29.95 21.23 31.06 32.07 28.10 28.10 28.10 15.21 16.90 17.96 17.96
		Births	Born	5	Complete Figures not available.
			Born Alive	4	100 104 123 192 192 196 196 145 96 145 97 297 297 104 104 104 104 104
-		Estimated Population as on July 1, 1934		ಣ	2, 4, 4, 872 22, 530 6, 804 6, 804 6, 804 2, 573 2, 873 2, 873 19, 523 10, 523 10, 523 8, 820 8, 820 1130 8, 820 1130 8, 820 8, 820 1130 8, 820 8, 820 1130 8, 820 8, 820 1130 8, 820 8, 820
	No. Town or City, Taluk			C3	Sarjapur, Anekal Seringapatam, Seringapatam Shikarpur, Shikarpur Shimoga, Shimoga Sidlaghatta, Sidlaghatta Sira, Sira Sira, Sorab Sorab, Sorab Sringeri, Sringeri Sringeri, Sringeri Talakad, TNarsipur Tarikere, Tarikere TNarsipur Tiptur, Tiptur Tirthahalli, Tirthahalli Turvekere, Turvekere (Sub) Tyamagondlu, Nelamangala Vadigenhalli, Devanhalli Yedatore, Yedatore Yelahanka, Bangalore Yelahanka, Bangalore Yelahanka, Bangalore
					S5 Sarjapur, A S6 Seringapata S7 Shikarpur, S8 Shimoga, S1 S9 Sidlaghatta 90 Sira, Sira 91 Siraikoppa, 92 Sraikoppa, 94 Srinivaspur 96 Talakad, T. 97 Tarikere, Tip 100 Tirthaballi, 101 Turnkur, Tipp 102 Turvekere, 103 Tyamagond 104 Vadigenbal 105 Yedatore, Y 106 Yelahanka, 107 Yelahanka,

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eaths	-Rate	1933	31	14.80 16.03 10.29 12.56 26.40 17.84 17.84 17.54 11.82 11.82 11.82 13.60 13.60 13.44
Total Reported Deaths	Death-Rate	1934	OS O	22.20 13.49 17.65 6.66 25.91 20.24 20.24 17.58 19.46 11.05 12.44 12.29 15.71 12.29 15.71 15.71 15.71
Total I		Deaths	53	988 1050 1777 1988 11988 11988 11988 11988 11988 11988 11988 11988 11988 11988 11988 11988 11988
		All Other Causes	28	25.25.25.25.25.25.25.25.25.25.25.25.25.2
		Rabies	27	CompleteFigures not available.
	Э	Snake-bit	56	Camplete Figures not available,
	DELAA	Killed by	25	: : : : : : : : : : : : : : : : : : : :
	st	пөріээА	24	: m : d : : : : : : : : : : : : : : : :
		Drownds s	23	Complete Figures not available.
q <sub>0</sub>		Suicide	22	
Cause of Death	us	Tid-blidO	21	Complete Figures not available.
se of	Leprosy		20	Complete Figures not available.
Caus	11011	dunsuon	19	Complete Figures not available.
	S	Sesses	18	٦١: ١٠٠٥ : ١٠ : ١٠٠٥ : ١٠ : ١٠٠٥ : ١٠
	88	Dysenter Distribo	17	91 : 10 10 : 10 : 10 : 10 : 10 : 10 : 10
	Ofper Fevers		16	255 851 178 178 86 189 177 189 190 190 190 190 190 190 190 190 190 19
		biodqvT	1.5	Complete Figures not available.
		Malaria	14	Complete Figures not available.
				tha
Town or City, Taluk				Sarjapur, Anekal Seringapatam, Seringapatam Shikarpur, Shikarpur Shimoga, Shimoga Sidlaghatta, Sidlaghatta Sira, Sira Sira, Sira Sira, Sira Shiralkoppa, Shikarpur Sorab, Sorab Sringeri, Sringeri Talakad, TNarsipur Talakad, TNarsipur Tarikere, Tarikere TNarasipur Tiptur, Tiptur Tiptur, Tiptur Tirthahalli, Tirthahalli Tunkur, Tumkur Turvekere, Turvekere (Sub) Tyamagondlu, Nelamangala Vadigenahalli, Devanhalli Yelahanka, Bangalore Yelahanka, Bangalore
				Sarjapur, Anekal Seringapatam, Seringapat Shikarpur, Shikarpur Shimoga, Shimoga Sidlaghatta, Sidlaghatta Sira, Sira Sira, Sira Sira, Sorab Sorab, Sorab Sringeri, Sringeri Sringeri, Sringeri Falakad, TNarsipur Talakad, TNarsipur Tralakad, TNarasip Tralakad, TNarasip Tralakad, TNarasip Tralakad, TNarasip Tralakanagondlu, Nelamang Vadigenahalli, Devanhal Yedatore, Yedatore Yelahanka, Bangalore Yelahanka, Bangalore
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				Sarjapur, Anekal Seringapatam, Ser Shikarpur, Shikar Shimoga, Shimoga Sidlaghatta, Sidla Sira, Sira, Sira, Sira, Sorab, Sorab Sringeri, Sringeri Sravanabelgola, C Srinivaspur, Srin Talakad, TNarsi Talakad, TNarsi Talrikere, Tarikere TNarasipur, TI Tiptur, Tiptur Tirthahalli, Tirth Tumkur, Tumkur Turvekere, Turve Tyamagondlu, Ne Vadigenahalli, De Vedatore, Yedato Yelahanka, Banga Yelahanka, Banga
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-				85 886 886 887 888 888 888 888 888 888 888
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TABLE 29.

Alphabetical List of Places Affected with Plague in each Taluk of the Mysore State in the Year 1934. (Attacks and Deaths given for each Month with Population affected, as per Daily Returns)

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t.	D.	295	43	1::::::::::::::::::::::::::::::::::::::	17	ထ ထ	<b>HH</b> :
Oct.	¥.	566	88		ର <b>ର</b>	26 26	<b></b> :
pt.	D.	362	45	9::   :	14 14	9	H::
Sept.	A.	656	75	H : : G : : L G : 4 G :	00 00 00 00 00 00 00 00 00 00 00 00 00	99	= ::
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[y	D.	104	6	70 : : : : : : : : : : : : : : : : : : :	::	HH	က :က
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ne	D.	42	99	:::::::::::::::::::::::::::::::::::::::	n=	0101	:::
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May	A.	48	6	ro : : : : : : : : : : : : : : : : : : :	r-1 <b>1</b>	: :	
April	D.	39	8		• • •		
A	A.	84	5		: :	•	
March	D.	145	16		တတ	: :	:::
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Feb.	D.	317	34	ਚਰ : : : : : : : : : : : : : : : : : : :	<u>-1-</u>	::	: : :
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	D.	546	00 -1	99::::::::::::	13 13	: :	19
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noita	Popul Affe	10,27	2,68,030	တ်ဖိ	1,90,440	14,533 14,533	7,223 352 6,571
				::::::::::::::::::::::::::::::::::::::		:	::
44	lage, Town or City			nekal Taluk—  Anekal Town Chickahosahalli (Anekal) Gigala (Sarjapur) Kagalipura (Anekal) Karagalagatta (Anekal) Manchanabele (Anekal) Manchanabele (Anekal) Manchanahalli (Anekal) Sidahosahatti (Anekal) Thimmanaikahalli (Anekal) Thimmanaikahalli (Anekal)			
2			Bangalore District.	nekal Taluk— Anekal Town Chickahosahalli (Anekal) Gigala (Sarjapur) Kagalipura (Anekal) Karagalagatta (Anekal) Manchanabele (Anekal) Manchanabele (Anekal) Manchanabele (Anekal) Sidahosahatti (Anekal) Sidahosahatti (Anekal) Thimmanaikahalli (Anekal)			(B)
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		2	Н	nekal Taluk— Anekal Town Chickahosahalli (Aneka Gigala (Sarjapur) Kagalipura (Anekal) Karagalagatta (Anekal) Machagondanahalli (Sar Manchanabele (Anekal) Manchanabele (Anekal) Sidahosahatti (Anekal) Thimmanaikahalli (Ane	angalore Taluk— Bangalore City	nannapatna Taluk— Channapatna Town	osepet Taluk— Bennehalli (Kylancha) Closepet Town
				Anekal Taluk- Anekal Town Chickahosahs Gigala (Sarja Kagalipura ( Kagalipura ( Karagalagatta Machagondan Manchanabel Manchanabal Sidahosahatti Thimmanaiks	Bangalore Bangalo	Channapatna Taluk— Channapatna Town	Closepet Taluk- Bennehalli (K Closepet Town
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Manchegowdanpalaya (Kylancha. Nanjapura (Kylancha)			Chunchuhkuppe (Tavarekere) Vadarpalya (Magadi)

TABLE 29—contd.

Total	D.	1102 - 20
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ne l	D.	
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May	A	
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April	D.	
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March	D.	
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Jan.	A	11 22 1 1
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TABLE 30.—SMALLPOX.

TABLE 30.

Alphabetical List of Places Affected with Smallpox in each Taluk of the Mysore State in the Year 1934. (Attacks and Deaths given for each Month with Population affected as per Daily Returns.)

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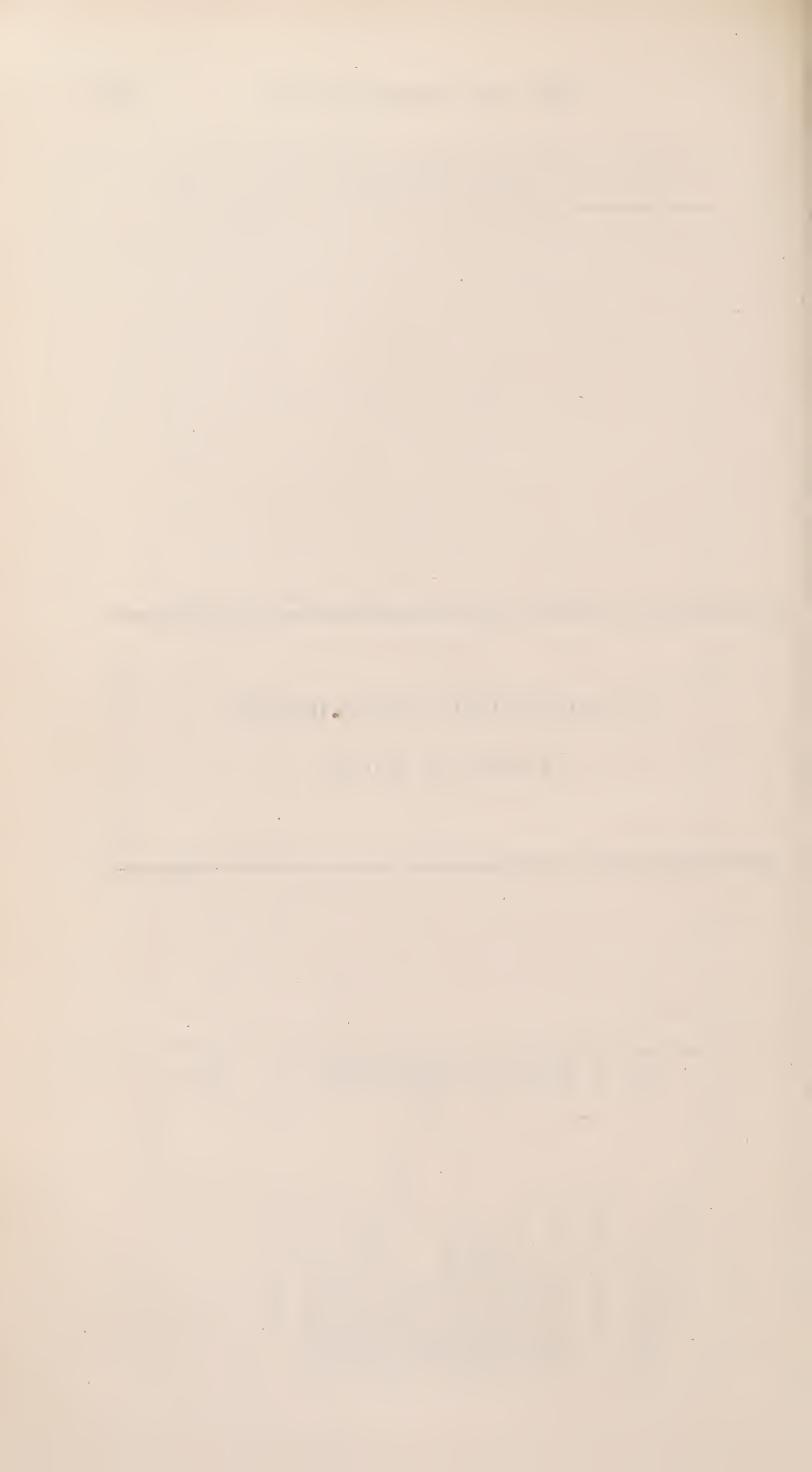
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Bangalore District.	2,09,152	:		:	:	:	:	:	-:	:	:	:	:	:	<u>:</u>		4	<del></del>	<u>:</u>	:	41	31		≈ 	47	34
Bangalore Taluk:— Bangalore City	190,440	: :	* * *		: :		• •	:::	: :	_ <del>`</del>	: :	• • •			::		<del></del>			: :	32	29	0101	0101	90 00 50 00	
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Kolar District,	87,012	:	•	:	:	:	:	:	:	*	<u>:</u>	:	:	:	·	<u>:</u>	:	:	:	:	9	೧೦	∞	4	14	ì~
Chikballapur Taluk:— Thippenahalli (Chikballapur) Malur Taluk:— Guruvalagollahalli (Tyakal) Masti (Masti)	777 777 1,998 6 1,992	• • • • •					:::::	:::::									: :::			• • • • •	ः चित्रः	::00:	:	<u>чню</u> :ю	HHH46	
Bowringpet Taluk; Kolar Gold Field	84,237 84,237	: :	::		•	::	::	• •			• •			* •							G G		• • •		0101	

## TABLE 31—concld.

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Nanjangud Taluk.— Kugalur (Nanjangud)	713	: :	: :	::	: :	::	::	::	::	::	က <b>က</b>		::	::	: :	: :	: :	: :	::	: :	::	: :	::	::		<b></b>
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Nagar Taluk.— Hosanagar Town	1,077	ଜାଦୀ	00		: :	::	: :	• •	::	::	::	::	::	<u>: :</u>	: :	: :	: :	::	::	::	::	::			0.03	00
Tumkur District,	:	:	:	:	:	:	:	:	:	•	:	:	:	:	:	:	:	:	:	:	:	:	:	<u>:</u>	•	:
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(x) MORBIDITY STATISTICS.

TABLES 32 AND 33.



Reported Monthly Morbidity Statistics from Dispensaries in each District of the Mysore State in the Year 1934.

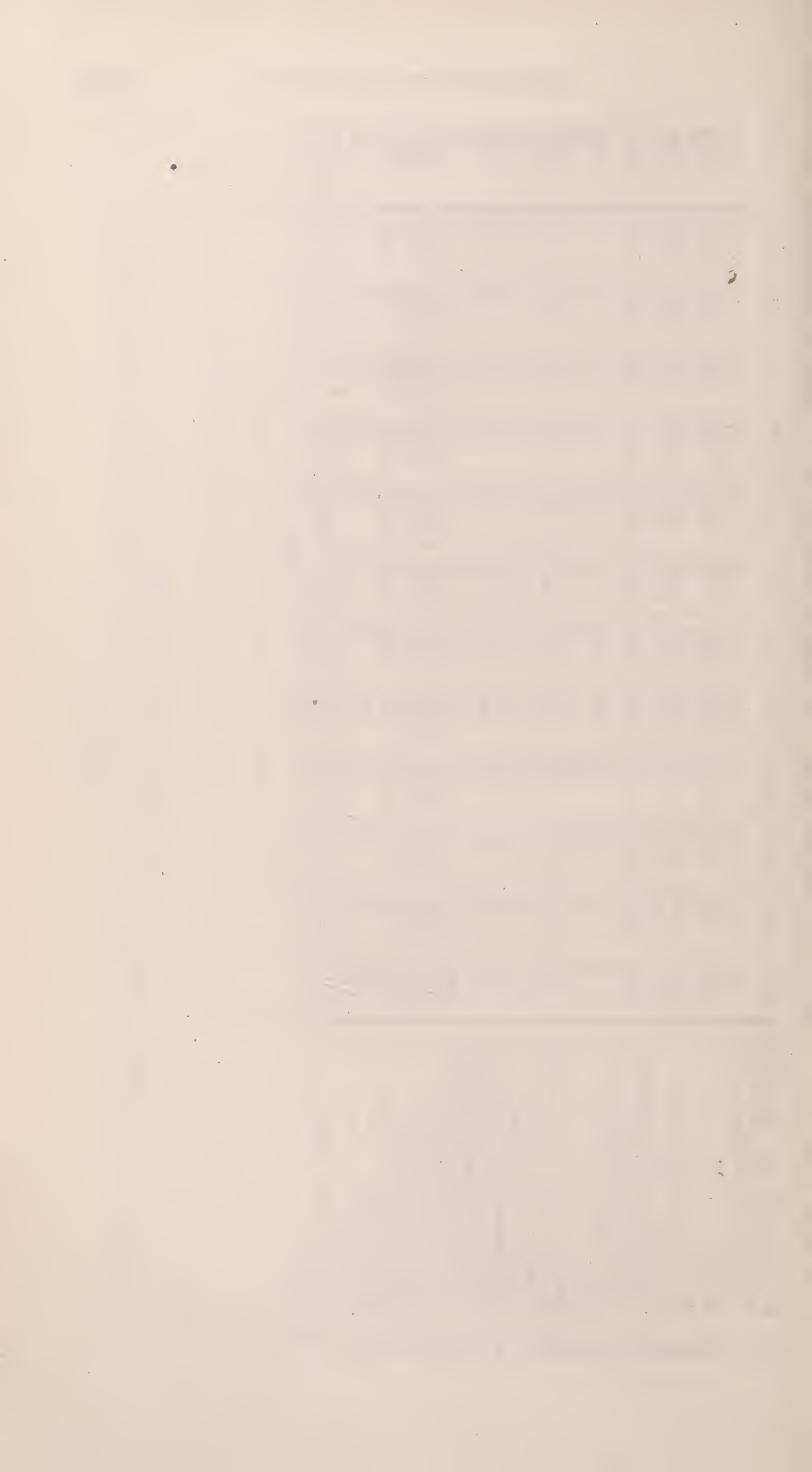
District (Estimated Population as on July 1, 1934)	s on	: : :		Jan.	Feb.	March	April	May	June	July	August	Sept.	October	Nov.	Dec.	Total Jan. 1st, to Dec. 31, 1934
											Total Property and					
Bangalore (1,138,719)	: :	Number Treated Rate per 1,000 Popu	•	54,298	49,869	<b>5</b> 9,396	54,318	59,528 627	62,225	66,260	62,978 664	64,850 683	67,685	55,454 <b>5</b> 84	51,464	708,325
Chitaldrug (684,259)	: :	Number Treated Rate per 1,000 Popn		23,625 414	16,760	23,974	24,954	24,685	20,666	21,013	24,443	24,208	19,425 341	19,238	20,768	263,759 355
Hassan (601,299)	: :	Number Treated Rate per 1,000 Popn		25,743	23,926	35,806	38,170 762	36,226	32,661	36,389	34,352 686	30,813 615	2 <b>6</b> ,337 526	29,321	26,050	375,787 625
Kadur (354,478	: :	Number Treated Rate per 1,000 Popu		24,428	22,087	23,123	24,966 850	25,924	27,195 926	29,215 995	26,562	23,896 814	21,051	24,923 848	28,205	296,575 841
Kolar (868,092)	: :	Number Treated ate per 1,000 Popn	::	28,585   395	28,696 397	33, <b>6</b> 70	30,509	37,386	37 <b>,6</b> 52   520	40,889 <b>5</b> 65	36,533	35,839	30,853 426	29,984	26,826	397,422 458
Mysore (1, <b>5</b> 47,359)	: :	Number Treated Rate per 1,000 Popn	• •	57,751	60,406	74,288	65,686	80,479	79,337	72,47 <b>3</b> 562	67,958	69,114	58,395 453	63,315	58,807	808,009
Shimoga ( <b>5</b> 29,206)	• •	Number Treated Rate per 1,000 Popn.	• •	49,206	31,944	32,018 726	32,754 743	34,666	34,888	87,730 856	36,066 818	35,258 799	32,853 745	3 <b>9,</b> 166 888	34,087	430.636 81±
Tumkur (891,076)	• •	Number Treated Rate per 1,000 Popn.	• •	26,165 352	<b>25</b> ,056 337	33,382 450	30 <b>,3</b> 28 408	33,131	34,7 <b>4</b> 4 468	30,605 412	27,715	24,751 333	21,214	27,309 368	23,157	337,557 379
Mysore State (6,612,486)	::	Number Treated	7	289,801	2 <b>5</b> 8,743	315,651	301,685	832,02 <b>5</b> 603	329,3 <b>6</b> 8 598	334,574	316,607	308,719	277,813	288,710	264,364	3,618,060

TABLE 33.

Monthly Morbidity Statistics from Dispensaries listed by Months under the 48 Causes of Morbidity in the year 1934.

Total	91 65,186 1,076 8,290 17,745 991 688, <b>5</b> 58 1,885 7,628 172,414 83,136 1,448 1,575 60,532 17,977 1,143 1,143 1,143 1,143 1,143 1,143 1,143 1,143 1,143 1,143 1,143 1,143 1,207 1,209 28,213 92,460 258,031 146,338 12,238
Dec.	8,4520 1,195 1,195 111 122 165 10,268 6,64 <b>5</b> 6,64 <b>5</b> 10,268 10,598 10,598 10,598 10,598 10,598 10,598
Nov.	25.236 10.245 1,245 1,245 1,256 7,093 1,256 1,25
October	2,708 1112 1112 1112 111365 6,945 6,945 6,945 1130 12663 12,5663 12,596 13,897 12,596 13,897 13,878 14,878 15,878 16,878 16,878 17,878 18
Sept.	2,092 1,029 1,029 1,029 2,02 2,02 2,02 1,580 1,5
August	7,472 88 7,46 1,124 1,124 1,124 1,124 1,419 1,419 1,571 1,419 1,419 1,419 1,419 1,627 1,627 1,627 1,88 2,781 1,627 1,88 2,781 1,627 1,88 2,781 1,627 1,88 2,781 1,188 1,1
July	20 5,880 1,386 1,336 90 62,613 94 42,208 1,208 1,889 1,889 1,889 1,937 1,172 1,7172 1,003 1,003
June	2,086 1,401 1,401 1,401 1,401 1,401 1,587 6,584 1,587 1,29 1,439 1,439 1,439 1,439 1,29 1,29 1,29 1,29 1,29 1,033 1,033
May	6,622 622 1,700 1,700 1,700 1,8,361 1,8,361 1,480
April	5,183 1,490 1,490 1,490 10,576 860 10,518 1,398 88 1,398 88 12,256 12,089 12,089 12,089 12,089
March	4,623 128 604 1,585 352 352 7,225 1,111 19,712 7,225 12,412 1,2412 1,2412 1,264 1,264 1,264 1,260 1,001 1,001
Feb.	4,006 78 78 78 192 48,656 8,934 5,934 6,295 1,405 1,002 6,643 7,212 8,522 1,076 1,076
Jan.	4,763 1,626 1,626 1,626 1,021 1,133
Name of Disease	1. Cholera 2. Dysentery 3. Enteric Fever 4. Gonorrhoea 5. Ankylostomiasis 6. Leprosy 7. Malaria 8. Plague 9. Preumonia 9. Preumonia 10. Pyrexia of Uncertain Origin 11. Rheumatic Fever and Rheumatism 12. Smallpox 13. Syphilis (Primary and Secondary) 14. Tubercle of the Lungs 15. Other Tubercular diseases 16. All Other Infective Diseases 17. Malignant New Growth 18. Scurvy 18. Scurvy 19. Non-malignant New Growth 19. Malignant New Growth 10. Malignant New Growth 11. Malignant New Growth 12. All Other General Diseases 19. Do Rose 10. Do Rose
	19.0.4.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.

375,524	95,377 88,653 <b>76</b> 9 45,69 <b>3</b>	388, <b>79</b> 8 17,017 380 2,440 12,677	187 42,448 4,104 50,599 249,491 308,140 46,615 201,817 538 1,669
29,573	8,019 7,156 272 3,428	33,124 1,631 2 172 833	6 3,756 310 4,139 19,614 28,411 4,559 15,577 6 108
32,961	8,64 <b>5</b> 7,162 107 3,593	33,604 1,475 36 190 1,183	9 3,664 386 4,498 19,288 31,738 4,725 16,002 16,002 18,710
30,815	8,683 6,461 101 3,719	33,390 1,130 175 973	3,993 351 3,724 19,921 3,245 15,407 15,407 184 184
30,035	8,754 7,132 12 4,165	35,711 1,307 38 201 1,102	16 3,667 394 4,134 21,598 28,125 3,955 17,058 17,058 398 398
29,587	9,420 9,038 24 4,374	33,942 1,816 41 241 961	1; 3,746 418 4,010 22,865 27,311 3,598 18,539 18,539 147 147
27,461	8,386 9,769 13 3,729	34,342 1,525 77 266 1,164	3,904 350 350 4,016 24,071 25,373 3,430 18,492 101 101
25,617	7,622 8, <b>5</b> 00 8,449 3,449	28,717 1,227 16 191 1,071	3,862 3,862 3,855 21,487 3,557 16,325 83 83
29,785	8,304 8,681 59 4,056	34,527 1,301 1,79 1,075	3,496 302 4,258 22,608 22,641 3,689 18,435 87 87
36,912	7,177 6,551 25 4,738	31,433 1,31 <b>5</b> 181 181 1,185	1 1
44,646	6,676 6,147 23 3,649 99	30,210 1,408 58 213 1,117	1 1
27,691	6,425 5,245 3,245 3,676	29,988 1,260 3 209 1,023	
30,441	7,266 6,816 58 3,117	29,810 1,622 43 222 990	25 3,055 426 3,862 20,887 25,389 4,175 15,621 194 122
σρ <b>D</b>	9. Dyspepsia 1. Abscess of the Liver 2. All Other Diseses of the Liver 3. Appendicitis		System  drocele er Diseases of the Generative System eases of the Organs of Locomotion Do Connective Tissues ers er Diseases of the Skin other Local Diseases cries (General and Local) cum Poisoning er Poisoning mysore State





30MAR1930 "

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- No. 1. Report on a Health Survey of Mysore—
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- No. 2.\* Report on Tuberculosis in Mysore State—
  - By P. S. Chandrasekhar, M.D., sometime Officerin-charge of Tuberculosis Survey in Mysore, 1928.
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  - By Mahomed Usman, L.M.S., (Retired) Senior Surgeon and Sanitary Commissioner, Bangalore, 1928.
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  - By J. V. Karve, M.B., Ch.B., D.P.H., (Retired) Director of Health in Mysore, Bangalore, 1929.
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- No. 7. A Survey of Mysore State for Enlarged Spleens and for Hook-worm and other Helminthic Infections—
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- No. 8. Physicians' Pocket Reference to the International List of Causes of Death, 1932.
- No. 9. Handbook of the Mysore State Department of Health— By J. V. Karve, M.B., Ch.B., D.P.H., (Retired) Director of Health in Mysore, Bangalore, 1933.
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  - By W. C. SWEET, B. A. RAO, and D. NURSING, 1934.
    \*Not available.